

Handbooks and toolkits

Inclusive education toolkit

**A guide to the education and
training of teachers in inclusive
education**



TESSA (Teacher Education in Sub-Saharan Africa) aims to improve the classroom practices of primary teachers and secondary science teachers in Africa through the provision of Open Educational Resources (OERs) to support teachers in developing student-centred, participatory approaches. The TESSA OERs provide teachers with a companion to the school

textbook. They offer activities for teachers to try out in their classrooms with their students, together with case studies showing how other teachers have taught the topic, and linked resources to support teachers in developing their lesson plans and subject knowledge.

TESSA OERs have been collaboratively written by African and international authors to address the curriculum and contexts. They are available for online and print use (<http://www.tessafrica.net>). The Primary OERs are available in several versions and languages (English, French, Arabic and Swahili). Initially, the OER were produced in English and made relevant across Africa. These OER have been versioned by TESSA partners for Ghana, Nigeria, Zambia, Rwanda, Uganda, Kenya, Tanzania and South Africa, and translated by partners in Sudan (Arabic), Togo (French) and Tanzania (Swahili) Secondary Science OER are available in English and have been versioned for Zambia, Kenya, Uganda and Tanzania. We welcome feedback from those who read and make use of these resources. The Creative Commons License enables users to adapt and localise the OERs further to meet local needs and contexts.

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As well as the main body of pedagogic resources to support teaching in particular subject areas, there are a selection of additional resources including audio, key resources which describe specific practices, handbooks and toolkits.



TESSA Programme
The Open University
Walton Hall
Milton Keynes, MK7 6AA
United Kingdom
+44 (0) 1908 652 391
fels-tessa@open.ac.uk

Direction des Formations du Togo
Université de Lomé
BP 1306, Lomé
Togo
+228 22 25 30 45

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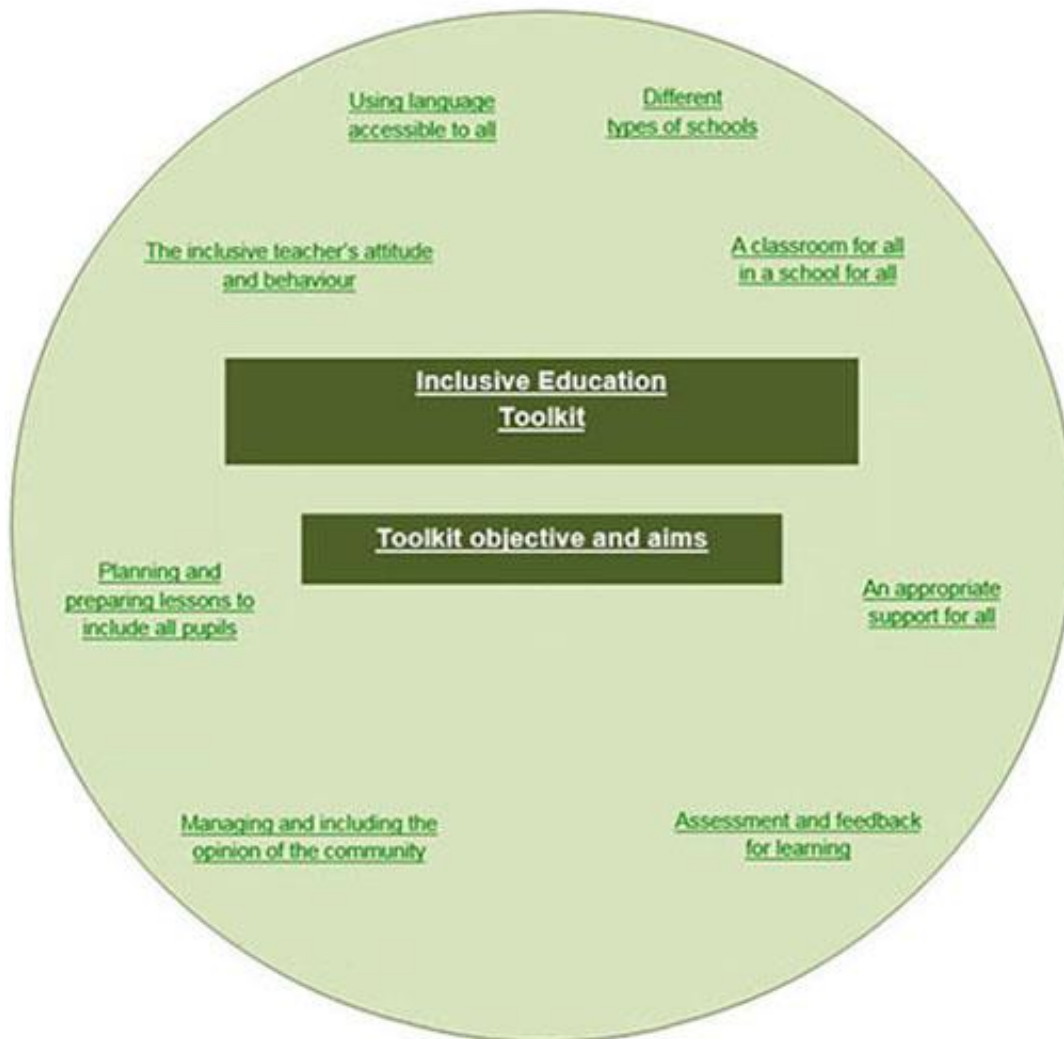
Contents

- TESSA Inclusive Education Toolkit
 - A guide to the education and training of teachers in inclusive education
- Welcome to the Inclusive Education Toolkit!
- 1. Different types of schools
- 2. The inclusive teacher's attitude and behaviour
 - 2.1 An inclusive teacher respects the individuality of each child
 - 2.2 Using appropriate words when talking about disabled children and their disability
 - 2.3 An inclusive teacher is aware of the different needs of pupils
 - 2.4 An inclusive teacher helps pupils to gain self-confidence and self-esteem
 - 2.5 An inclusive teacher helps pupils to feel included in the learning community
 - 2.6 An inclusive teacher acknowledges the contribution of each child
 - 2.7 An inclusive teacher contributes to the emotional well-being of all children
 - 2.8 Reflection on the inclusive teacher
- 3. A classroom for all in a school for all
 - 3.1 The physical space in the classroom and school
 - 3.2 Answering the specific needs of the pupils
 - 3.3 Managing classroom interactions to create a positive, respectful and accepting environment.
 - 3.4 Encouraging collaboration
 - 3.5 Focusing motivation to include all pupils in learning
- 4. Using language accessible to all
 - 4.1 Accessible language: lexicon, syntax, diction, and elocution
 - 4.2 Ensuring understanding in general
 - 4.3 Actions speak louder than words
 - 4.4 Use of technical vocabulary
 - 4.5 Use of one's mother tongue
- 5. Planning and preparing lessons to include all pupils
 - 5.1 Differentiated goals
 - 5.2 Learning through small steps
 - 5.3 A directory of activities
 - 5.4 Resources for all

- [5.5 Differentiation](#)
- [5.6 A lesson planning form](#)
- [6. Assessment and feedback for learning](#)
 - [6.1 Formative assessment](#)
 - [6.2 Positive feedback](#)
- [7. An appropriate support for all](#)
 - [7.1 Support for pupils.](#)
 - [7.2 Forms of support for teachers](#)
- [8. Managing and including the opinion of the community](#)
 - [8.1 Creating bonds between the school and home](#)
 - [8.2 Organising awareness campaigns](#)
 - [8.3 Networking with parents, the community and other schools](#)
- [9. Auditing an inclusive teacher's behaviour](#)
- [Bibliography](#)
- [Additional Readings](#)
- [Case studies in the Toolkit](#)
- [Activities in the Toolkit](#)
- [Attribution of illustrations](#)
- [Acknowledgements](#)

TESSA Inclusive Education Toolkit

A guide to the education and training of teachers in inclusive education



Welcome to the Inclusive Education Toolkit!

This toolkit supports the training of teachers in inclusive education. It is designed for **instructors and trainers**, who are training teachers or are working with other trainers and teachers in training institutions, schools, classes, NGOs, or any other organisation.

You can use it for initial training and to support the continuing professional development of teachers, mentors, educational inspectors, educational advisors, principals, and other specialists and workers in education.

Teachers can also use it, working on their own or in teams.

How can I use this toolkit?

If you are a trainer, you can select and integrate appropriate sections, case studies or activities into training courses or programmes. You may also duplicate and distribute relevant sections.

If you are a teacher, you can look for sections, case studies or activities that will help you to resolve a challenge you have encountered in your classroom.

Why use the TESSA toolkit for teacher training in inclusive education?

As trainers and supervisors, it is your responsibility to educate and train teachers who will ensure that the universal rights of children as described in the 1990 Convention on the Rights of the Child are respected.

State Parties recognise the right of the child to education (...) without discrimination of any kind, irrespective of the child's or his or her parent's or legal guardian's race, colour, sex, language, religion, political or other opinion, national, ethnic or social origin, property, disability, birth or other status. ([UNICEF, 1990](#))

Welcoming all children 'without discrimination' means that in a classroom there will be, for example, children with physical or sensory disabilities, gifted children, children with learning difficulties, girls, boys, children from minority ethnic groups, and the teaching will need to cater for all children's individual development as well as the fulfilment of their potential

Our main objective

To introduce the inclusive pedagogy that is at the heart of TESSA to educators, educational supervisors, teachers (in training) and the teachers' schools, and to facilitate the planning, use and evaluation of inclusive teaching practices through the use of active pedagogy.

Aims of the TESSA Inclusive Education Toolkit

1. Enable users to explore and understand the meaning of ‘inclusive education’.
2. Serve as a guide to enable all pupils in the class to be full members of the class, to respect each other, to learn, and to fulfil their potential.
3. Offer strategies to allow for inclusive teaching and provide support to all learners, including those with disabilities.
4. Provide a set of teacher training tools that are published under Creative Commons Licenses and can be adapted and used in different environments and contexts.

How does this toolkit work?

This toolkit provides resources that you will be able to use to build teachers’ ability:

- to think about ways they can facilitate the inclusion of all children in learning, in the classroom, in the school and in the community.
- to include all children in the learning process so that they can grow and to achieve their full potential.
- to incorporate the strategies illustrated in the TESSA educational materials (based on the premises of active, inclusive and participatory pedagogy) into their teaching practice.

This toolkit is not intended to be a module or a procedural document. It is not a book that you read and work through from cover to cover. It is a collection of tools to refer to where certain challenges occur in the process of teaching practice supervision. The tools are shown on the diagram on the entry page of the toolkit and they can be accessed in any order you wish.

The toolkit contains activities that may be conducted individually or in collaboration with other teachers. We encourage you to evaluate your own needs and those of your teachers, and to find in the toolkit components that best meet those needs: do they concern teacher behaviour, the physical environment of the classroom, teaching techniques, the relationship between the school and the community, etc.? Browse through the titles and select the relevant chapters.

The toolkit can also be used as a reference document when organising and running workshops on inclusive education.

Getting Ready

Before consulting the chapters in the Inclusive Education Toolkit, it will be helpful to familiarise yourself with TESSA (Teacher Education in Sub-Saharan Africa) and with the concept of active learning. This is the purpose of the first activity.

Activity 1: Getting to know the TESSA resources and active learning

This activity will allow you to get acquainted with the TESSA resources.

- Download the chapter 'About TESSA' on the [Teaching Practice Supervisor's Toolkit](#) page on the [TESSA website](#).

Read the chapter and do Activities 8 and 9 in the Chapter.

The icons used in this toolkit:

To enable you navigate this toolkit easily, we have used the following pictograms:



Other useful resources

This symbol refers to more detailed and accessible texts on the topic in hand. You do not have to read everything, but the resources are available for you to improve your understanding and your role in inclusive and active learning.



Complementary TESSA resources

This symbol refers to other TESSA resources that complement the on-going work.



Create your own collections of strategies

During your work through the different chapters of the toolkit, you will be asked to collect ideas and strategies that will help you to vary your teaching. Collect them for yourself and share your collections with colleagues if you wish.



Activity based on audio resources

1. Different types of schools

At the end of this chapter, you will:

- have enabled teachers to explore, understand, and appreciate the difference between education in mainstream schools, specialised, integrative and inclusive schools.

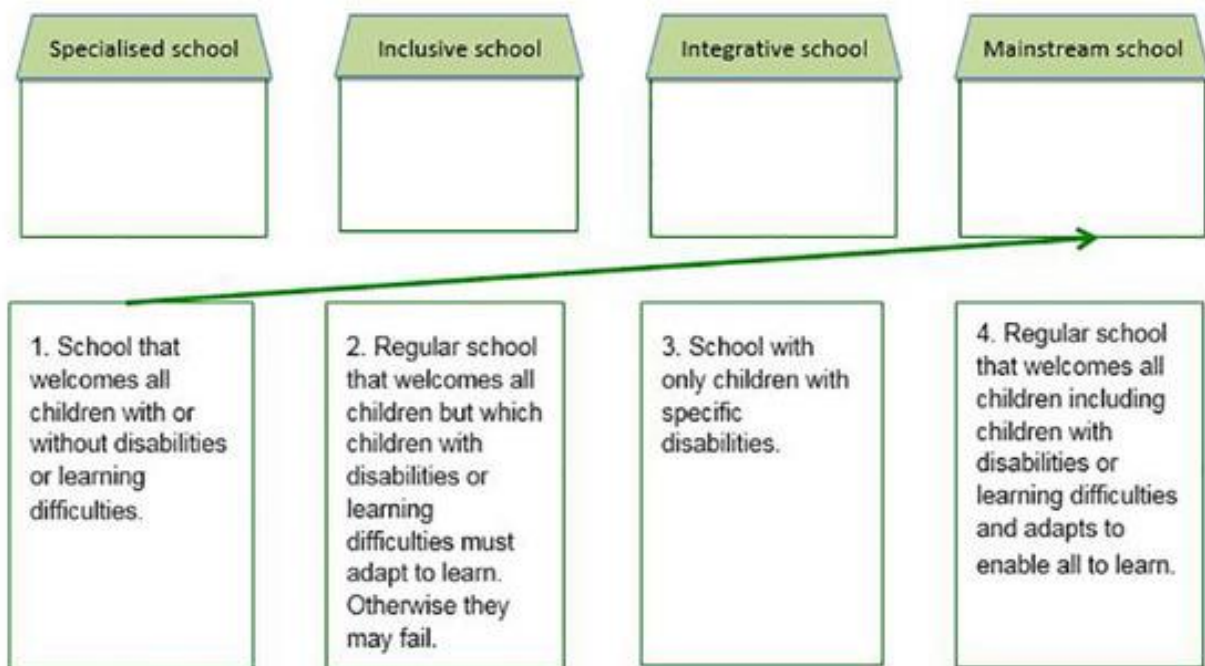
There are several models of education that allow all children, ‘without any distinction’, to learn.

Research shows that there are different types of schools that offer different approaches towards providing quality education for all.

Activity 2: What do different schools do to allow all children to learn?

This activity will enable teachers to understand the differences between different types of schools and to begin to develop their own definition of inclusive education.

- Read below the definitions of the different schools and match them with the names of the schools.
- Write your own definition for ‘Inclusive education’.



What answers did you give? The following table will help you check your answers.

	Special education	Regular education	Integrative education	Inclusive education
Are allowed	Children with specific impairments	All children	All children, but they must change to fit the system	All children, with their individuality and differences, different levels of ability, different ethnic groups, girls and boys, valid or with disabilities
Curriculum and methods	Everything is adapted to meet the children's specific needs	Everything is regular	The children need to adapt, otherwise they might fail	Everything is designed so that every child can learn and reach her/his full potential
The teachers	Specialised	Regular	Follow the system that remains the same	Adapt the curriculum, methods, and system to the needs of the children
Schools (no. of the definitions for Activity 1)	Specialised schools (3)	Regular schools (1)	Integrative schools (2)	Inclusive schools (4)

This diagram shows a possible illustration of the different types of educational systems.

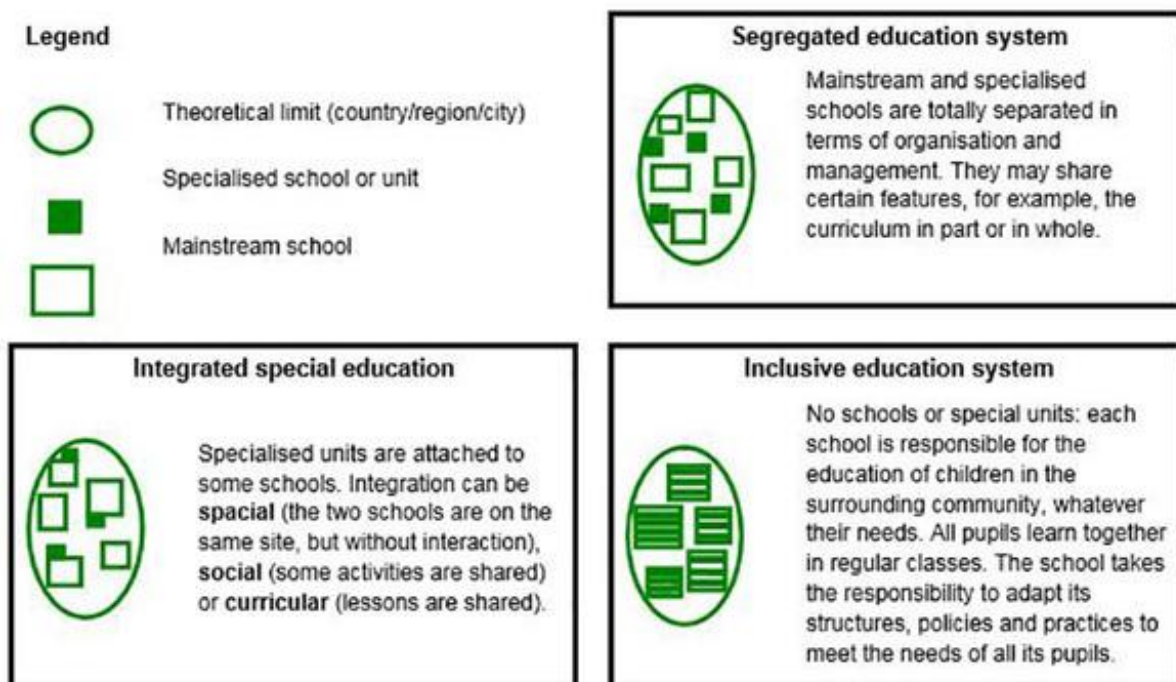


Figure 1: The different types of educational systems

Now compare your definition of ‘inclusive education’ given in **Activity 2** to the definitions below. Highlight characteristics you believe to be important and complete your own definition.

Inclusive education means education in which all children are welcome in the same classroom and provided with high-quality instruction and the support tools needed to succeed. In practice this requires helping schools and school systems to adapt to the needs [of] each individual child, rather than trying to ‘fix the child in order to fit the system.’ It also involves convincing parents, teachers, and other pupils that children with disabilities should be accepted and allowed to attend school alongside their peers.

(Handicap International, n.d.)

If the right to education for all is to become a reality, we must ensure that all learners have access to quality education that meets basic learning needs and enriches lives. (...) The UNESCO Convention against Discrimination in Education (1960) and other international human rights treaties prohibit any exclusion from or limitation to educational opportunities on the bases of socially ascribed or perceived differences, such as sex, ethnic origin, language, religion, nationality, social origin, economic condition, ability, etc. Education is not simply about making schools available for those who are already able to access them. It is about being proactive in identifying the barriers and obstacles learners encounter in attempting to access opportunities for quality education, as well as in removing those barriers and obstacles that lead to exclusion.

(UNESCO, n.d.)

Did you note the following characteristics in your definition of inclusive education?

- | | |
|--|---|
| <ul style="list-style-type: none"> • Provides quality education • For all children • Whether with disabilities, vulnerable, marginalised • Takes into account everyone’s needs • Develops each individual’s potential | <ul style="list-style-type: none"> • Improves education and living conditions • Teaches everyone to appreciate and respect differences among individuals • Aims to: <ol style="list-style-type: none"> 1) end all forms of discrimination 2) favour social cohesion |
|--|---|

Inclusive schools allow all pupils to learn together, regardless of their gender, race, faith, wealth, origin, disability or any other condition.

To do this, schools must be adapted to meet every child’s needs. This means having an in-depth knowledge of the pupils and adapting learning techniques and buildings accordingly. Moreover, it is important to change the mindset and attitudes of teachers, pupils and the entire educational community. The basic principle is that we are all capable of learning and at the highest levels given the right tools/opportunity/support – after all Albert Einstein, Isaac Newton and Thomas Edison were children with special educational needs! They all had Asperger’s Syndrome.

2. The inclusive teacher's attitude and behaviour

At the end of this chapter, you will have enabled teachers to develop techniques to ensure that:

- teachers and pupils respect everybody's individuality
- teachers and pupils use an inclusive language
- pupils start developing self-esteem
- pupils feel included in the learning community
- pupils feel valued
- teachers help promote pupils' emotional well-being.

What type of teacher do you wish to train? Are the teachers with whom you work considerate about their own attitude and behaviour? The questionnaire **Auditing an Inclusive Teacher's behaviour (Tool 9)** invites teachers to reflect on their own behaviour in the classroom and on how it impacts on the way pupils learn.

You could ask teachers to fill in this questionnaire at the beginning of their training and again at the end of the training period, so that they can reflect on the values they bring and what can help them to modify these values and their behaviours if necessary.

Before asking the teachers in training to fill in this questionnaire, fill it out yourself so that you can guide them.

2.1 An inclusive teacher respects the individuality of each child

An inclusive teacher helps children to develop self-confidence and self-esteem and to feel included in the learning community. It starts with the language used by everybody in the classroom, teachers and pupils, and by the way the language is used. The teacher must ask himself:

- Does the language used by all in the class to speak to and about the child show she/he is valued?
- Do my language and my attitude demonstrate that I respect this person, her/his identity and rights?
- Do I value the child when I interact with her/him?
- Do I know the appropriate terms to use when I name children who have a disability and to talk of their disability?

The language used is often loaded with emotions, particularly for children who have a disability. Let's reflect on Marie's case.

Case study 1: Mr Dumee helps Marie regain her self-confidence

In a school in Mauritius, the young Marie has one leg shorter than the other. In class and in school, peers call her 'One and a half hour'. Marie is really sad because of this nickname. At the beginning, she did try to resist being called so, but she was bullied and hit by older boys. She resigned to settle for the loser's peace rather than struggle eternally. Marie became withdrawn and lost all her happiness. In class, she did not dare to raise her hand to answer questions as she was afraid that the slightest mistake will make other children laugh at her and that she would have to bear remarks like: 'One and a half hour can only say stupid things.' Mr Dumee, the teacher, could not understand why Marie would not participate in class even though her results were always good.

Activity 3: How to help Marie?

This activity will enable teachers to offer solutions to support Marie.

- First, ask teachers to work individually and to quickly note all the ideas they have to support Marie.
- Then, ask teachers to work in pairs and share their suggestions and discuss on how to help Marie to gain self-confidence.

If you are a teacher working alone, quickly note down all the ideas that come to mind and then, for each idea given, indicate how this would help Marie to gain self-confidence Does Mr Dumee's suggestion figure among your ideas?

Mr Dumee talked with Marie and then organised an activity for the whole class. He asked all the pupils to write a harsh word and a kind word on two different pieces of paper. He then collected the papers and turned them face down on the table so that the children could not see what was written on them. All children were made to choose one without looking at it and this nickname was pinned on their back. Those who had harsh words were profusely mocked by their classmates. Mr Dumee asked the children how they felt when they were called by these names and when the others mocked them. He then asked those who got nice words how they felt.

He concluded by asking pupils to think on how Marie must have felt when they called her 'One and a half hour'. He motivated the pupils to present their apologies to Marie and to decide on using nicer words when they talk to her or when they talk about her.



You must have noticed that Mr Dumee did not moralise, but instead helped the children to develop empathy towards their classmate. The idea was to make them feel what Marie felt, which helped them to appreciate and understand that in spite of our differences we do have similar feelings in similar situations.

2.2 Using appropriate words when talking about disabled children and their disability

The use of respectful words is not only important in class and in school but also in the community at large. It promotes the development of self-confidence and self-esteem, and allows the child to feel included in class and in the community. This also denotes the respect of human rights. Positive language helps the child to gain the right status by promoting a positive atmosphere, which is necessary for the acquisition of knowledge. For this to happen, both teachers and peers should banish negative-sounding words, including those that equate a disability to an illness. They must avoid nicknames and call all children by their own names. They need to avoid all words that may hurt, and adopt only positive or neutral words.

Activity 4: Avoiding words that hurt



In this activity teachers will create a list of appropriate terms to use to speak about disabilities and people with disabilities. It is suggested that they create a table to highlight terms to avoid and terms to use. This can be done as a poster or on a computer.

- Using a large piece of paper, or on a computer with a word-processing programme, make two columns labelled 'Avoid' and 'Say'. Then fill in both columns with words that you can think of to speak about disabilities and people with disabilities.
- A few examples have been done already. Teachers should work together to think of more words that are commonly used and more appropriate alternatives.

AVOID

This person is retarded. He is an imbecile

The mongol person

This person is affected by deafness

A handicapped person

The person who is confined to a wheelchair

SAY

A disabled person

This person is deaf

This person has learning difficulties

The person who uses a wheelchair

The child who has Down's Syndrome

There is not an exhaustive list of respectful words to be adopted in class, at school, and in the community. Keep the table and

- when you encounter new words that might help you to use a more inclusive language, add them to your list;
- when you encounter words that might shock you, note them down too, and try to find more neutral expressions that are not hurtful.

The inclusive teacher strives to find the language that conveys respect to everyone and includes every child in the class. The aim is to provide an environment free from discrimination, frustration and anxiety.

The language used to talk about disabilities is ever changing. It is the teacher's responsibility to be attentive to change and to adapt accordingly.

2.3 An inclusive teacher is aware of the different needs of pupils



Activity 5: A class where the teacher's behaviour enables everyone to feel included

Through this activity, teachers will reflect on their behaviour and how it might impact the inclusion of all pupils.

- Download the resource *Keep your mouth shut!* from the section **Equal opportunities** in the Audio resources on the TESSA website.
- Listen to the short play. As a teacher, what lessons do you draw from it in regards to your responsibility concerning the handling of instances of disability in your class?

Teachers should observe their pupils to get to know their strengths, weaknesses, learning styles and personalities. This will enable them to notice less apparent deficiencies and take appropriate actions. You will learn about many of these actions in the next chapters of this toolkit. Knowing your pupils well will enable you to treat everyone fairly in the class.

2.4 An inclusive teacher helps pupils to gain self-confidence and self-esteem

I am willing to put my hand up to answer the teacher's questions. But I am afraid of doing it. My answer may be wrong and my classmates are going to poke fun of me.



Flores

A major barrier in the learning and participation of children in classroom activities is the lack of self-esteem and self-confidence. You have probably noticed that this is the case for Flores.

In supporting learners, the inclusive teacher has a crucial role to play in encouraging all children's social and emotional learning. Atmosphere and dynamics in the classroom and school can be managed in order to encourage self-confidence and participation.

Activity 6: How to help pupils appreciate and respect their similarities and differences

This activity will provide teachers with examples of activities conducive to creating a positive atmosphere in the classroom.

- Download Section 1 of Module 1 of '[Life Skills \(Primary\)](#)' in the Subject resources area of the TESSA website. It shows how one teacher encouraged her class to include an albino child.
- Read this section and make notes of the techniques used to help pupils to explore who they are, help them to recognise their similarities and differences, and to show mutual respect.
- How will these activities help the teachers in training develop their pupils' self-confidence and self-esteem?
- Add other similar activities that could be used for the same purpose with pupils.

Children need to understand and talk about their differences and similarities and must consider them as a natural part of society. As a teacher you have an important role to play in helping children to realise that their opinions, perceptions and emotions can be different but that they all are important parts of society. Diversity in society is enriching. As a teacher you must model this by adopting a fair attitude towards all children and organise activities that allow them to work together, interact and build their learning together. You need to encourage inclusive social behaviours such as mutual appreciation and respect, listening, tolerance and empathy.

2.5 An inclusive teacher helps pupils to feel included in the learning community

Activity 7: How to develop community life

This activity will enable teachers to think about strategies to develop pupils' understanding of community life rules.

- Download Section 1 of Module 3 of '**Life Skills (Primary)**' in the Subject resources area of the TESSA website.
- While reading this section, consider the following question: Can discussions in the classroom and in the community on rights and duties in the family and responsibilities within a community contribute to the development of self-confidence and self-esteem in learners?
- How could you adapt the key activity: 'Presenting learning in a school assembly' to better serve your purpose?

Children will not acquire knowledge unless they feel safe in the classroom and therefore free to express their opinions without the fear of being laughed at by their classmates, or being punished by the teacher. To create a safe environment, teachers need to examine their own values, attitudes, behaviours and actions. In addition, they also need to be aware of the family and social environment of the child, and enable all learners to feel valued.

2.6 An inclusive teacher acknowledges the contribution of each child

Developing (or restoring) self-confidence and self-esteem in children also entails recognising their contributions, however small they may be. How can the teacher do this? Have a look at the exercise Mr Attikou gave his class.

Case study 2: When mistakes give the best grades

At the Safo School in Niger, Mr Attikou asked his pupils to take a piece of paper for a spelling test. He specified that they should not write their names on the piece of paper. After the test, Mr Attikou gathered the papers and distributed them again making sure that no child received her/his own work. Then, he wrote the correct spellings on the board and asked the children to mark the test they had received. He also asked them to write their names on the paper they were correcting. If they found all the mistakes, they would score 10 out of 10. If a mistake was left out, they would earn 9 out of 10 and so forth. That day, all of Mr Attikou's pupils got 10 out of 10 in the spelling test. It was a great success and never had Mr Attikou's class been so joyful.

This way to carry out the exercise allowed Mr Attikou to give a good grade to all pupils in class even to those who were weaker in spelling, while putting them all to work, in a relaxed atmosphere. It is important that all children are winners occasionally. This helps them to build their confidence in their ability and motivates them to strive to do better. A while later, Mr Attikou gave the same test to the whole class and the weaker pupils did better.



Collect your ideas:

Consider changing the usual way in which you present class activities in order to have all pupils experience success once in a while.

Write down your ideas on a sheet of paper and add them to your lesson plans.

2.7 An inclusive teacher contributes to the emotional well-being of all children

Contributing to the child's emotional well-being goes well beyond the school environment.



Activity 8: Nothing impossible

This activity will give teachers ideas on how to restore pupils' self-confidence.

- Download the resource *Seeking Help* from the section **Equal opportunities** in the Audio resources area on the TESSA website.
- Listen to this short play and note how the teacher, Florence, helps Mimi overcome her lack of self-confidence caused by the negative attitude of her father at home. What precisely does Florence do to restore confidence in the young girl?
- Imagine the consequences of this 'reinforcement'. Write the conclusion of the story.

You will have noticed that the teacher stopped the children's teasing by sending them on break and that she kept Mimi behind to talk to her quietly. She interviewed her kindly to find something that she knows and likes to do and which would enable her to succeed in front of her peers. She provided support by giving Mimi time to rehearse her song. She also provided support by protecting Mimi when the rest of the class became restless when they heard Mimi was going to perform. What were the end results? Mimi found something she could do well, allowing her to win the respect of her classmates. The rest of the class discovered that Mimi could take on a challenge, succeed and shine in certain activities

Activity 9: The role of social environment on the pupils

This activity will enable teachers to reflect on the role of the children's families and the social environment on their self-esteem and confidence.

- Think about your own experience. Can you remember how your parents' attitude caused you to lose or strengthen your self-confidence?
- Can you detect children in your classes who have lost their self-confidence? Think about different means to rebuild that confidence.
- How could you open a dialog with parents to talk about their children's difficulties and how they could support their children to help them at school?
- Can the TESSA resources you have used help you in this task?

2.8 Reflection on the inclusive teacher

According to Thacker (Opp-Beckman, & Klinghammer, 2006, p. 71) there are twelve attitudes a good teacher shows that help promote an environment conducive to learning.

Teacher behaviours for fostering a climate conducive to the development of thinking skills:

- Setting ground rules well in advance
- Providing well-planned activities
- Showing respect for each pupil
- Providing non-threatening activities
- Being flexible
- Accepting individual differences
- Exhibiting a positive attitude
- Modelling thinking skills
- Acknowledging every response
- Allowing pupils to be active participants
- Creating experiences that will ensure success at least part of the time for each pupil
- Using a wide variety of teaching modalities

Activity 10: Twelve attitudes of the inclusive teacher

This activity will help teachers to focus on and evaluate their vision of the inclusive teacher.

Annotate the above list of the 12 ***Teacher behaviours for fostering a climate conducive to the development of thinking skills.***

- First, highlight the attitudes that have been discussed in this chapter of the toolkit. Annotate them by writing in the margin the main points you would like to highlight.
- Look back through the chapter to check your list against those discussed.
- Complete this list as you work through other chapters of this toolkit and find further illustrations of attitudes listed by Thacker. If necessary, come back to this page and continue annotating the list.

3. A classroom for all in a school for all

At the end of this chapter, teachers should be able to:

- organise the physical space in their classroom to create a safe environment
- take into account the situation of children with special needs to facilitate their access to learning
- reflect on the management of interactions within the classroom so that everyone can feel confident
- consider carefully the organisation of pupils to encourage collaborative learning
- understand the importance of motivation for positive schooling.

The organisation of the physical space and the atmosphere in the classroom/school play a crucial role in facilitating learning. To create a classroom/school safe from physical or emotional danger you, as a teacher, need to ask yourself the following questions:

- Do my school and class enable children to move without danger?
- What are the actions I can take to enable all children to enjoy an accessible and risk-free environment?

3.1 The physical space in the classroom and school

Case study 3: Mrs Dalok's school board meeting

Mrs Dalok is the headteacher of a state primary school at Adétikopé in Togo. This school year, the school is welcoming children with disabilities: a child in a wheelchair who also has a lack of visual acuity and a child with a hearing impairment. The headteacher checks her school with her team of five teachers to establish what needs to be modified. The first item on the agenda is:

1. Adapting the physical space within the school and the classroom

Mrs Dalok: We will walk around our school to plan the modifications needed to welcome the two children with disabilities who are going to join us. Let's first think about the infrastructure in our institution. What do you think we should adapt in the infrastructures?

Mr Eglo: I believe that we can work with pupils to level the ground within the school to allow the child to move freely in the wheelchair.

Ms Karim: Why should other pupils do the work?

Mr Touglo: It is a way to involve others and to show them that they can contribute to the successful integration of their new peer.

Ms Karim: Ah! OK! We must also think about what we need to do in the class.

Mrs Laban: I believe that the door to the classroom is too narrow for the child to enter with his wheelchair.

Mrs Dalok: We will take the necessary measures and call the builder to make the door bigger.

Mr Adji: We should also think about ramps. We should make a ramp from the door to the class and even from the class to the toilet.

Mrs Laban: I also think that the toilets are not adapted for the child's needs and he will not be able to use them. Additionally, the class is not light enough. We could change the colour of the walls and blackboard to help the child with a visual disability. We could paint the walls into blue and white, change a section of the roof into a translucent pane to lighten up the classroom. We could also paint the blackboard in green and use yellow chalk, which will be more visible than white chalk on a black board.

Mrs Dalok: To conclude, first, call the builders to make the ramps. We have to avoid having steep ramps that could be dangerous not only for the disabled child but also for all children. Second, we will have adequate toilets put in and take measures to lighten the classroom. With the help of other pupils we can level the ground of the school.

This case study provides many examples of actions that could be taken to allow access to the premises and equipment to all children. Mrs Dalok, the headteacher, often mentioned how the new improvements for the children with disabilities will benefit not only them, but all pupils.

Activity 11: Promoting access for all children



This activity will allow teachers to start exploring strategies to make the classroom more accessible to all children.

- Create a table similar to the one below.
- Read the case study again and note your findings and reflections.
- Add additional modifications about the physical space that you think about. If you are working in a group, organise a brainstorm (See **TESSA key resource 'Using mind maps and brainstorming to explore ideas'** on the TESSA website).

Modifications in the classroom or school – physical space	Benefits	Alternative or additional modifications
Level the ground of the school yard	<ul style="list-style-type: none"> • Easier to handle wheelchair • Etc. 	
Etc.		

If you work with one or many colleagues, compare and share your answers and ideas. Discuss the things that would be possible in your school. You can return to this list as you work through other parts of the toolkit.

3.2 Answering the specific needs of the pupils

Case study 4: Mrs Dalok's school board meeting (Part 2)

Mrs Dalok is the headteacher of a state primary school at Adétikopé in Togo. This school year, the school is welcoming children with disabilities: a child in a wheelchair who also has a lack of visual acuity and a child with a hearing impairment. The headteacher checks her school with her team of five teachers to establish what needs to be modified. The second point on Mrs Dalok's agenda is:

2. Welcoming pupils with specific needs

Mrs Dalok: Mrs Laban, this child will be in your classroom. Have you thought about what you could do for him? Remember he has also an impaired vision so he cannot see properly. Everyone can give their ideas to help Mrs Laban to integrate this pupil successfully into the classroom.

Mrs Laban: I was thinking of placing him in a position where he can see the blackboard better and I will make sure that he can move around in class without being injured.

Mr Adj: We should also write clearly and bigger; read aloud what is written on the blackboard and prepare all the materials accordingly: big print, enlarged pictures, and so forth.

Mrs Dalok: Thank you everyone for your ideas. The other pupils can also help. There is a lot to do but remember that creating an environment more accessible for children with disabilities will be also beneficial for all pupils. They will all enjoy a more comfortable environment that will be easier to use. Now let's consider the pupil with a hearing impairment. Mr Adj, how will you facilitate her integration into your classroom, as she will be joining your class? Everyone else is welcome to contribute, of course!

Mr Adj: First I would explain to the class the difficulties she encounters and the precautions we should take when we are talking to her. In the class, I will ask her to sit where she has her back to the light, not far from the blackboard and in such a way that she can see my face and the other pupils' faces. When we talk in the class, we'll have to articulate clearly and at a slower pace. I also intend to place her near a good, friendly pupil who will help her if needed.

Activity 12: Meeting the needs of pupils with specific needs

This activity will allow teachers to establish a list of strategies to make classrooms more accessible to different categories of children with specific needs.

- If you wish, copy the table below and fill it in as you read or use the headings to guide you when you take notes.
- Read the case study again and note down your findings and reflections.
- Add further physical modifications that you can think of. If you are working in a group, organise a brainstorm (See **TESSA key resource 'Using mind maps and brainstorming to explore ideas'** on the TESSA website)

Cause of disability	Actions	Reasons for action
Visual impairment	<ul style="list-style-type: none"> • Place child near the board • Write on board in bigger letters • Read notes on board aloud • Etc. 	Better chance to access the information on the blackboard
Etc.		

If you are working with one or several colleagues, compare and share your answers and ideas and discuss the things that would be possible in your school. You can return to this list as you work through the other parts of the toolkit.

3.3 Managing classroom interactions to create a positive, respectful and accepting environment.

Teachers' behaviours and their classroom management contribute to creating a calm environment that promotes learning. With their behaviours, teachers can model behaviours and attitudes that promote inclusion, and encourage pupils to adopt such behaviours.



Kondi

I really want to work with my classmates, to go out and play with them! If only they could be careful towards me and my weak foot! They push me so often! If only the teacher would realise and tell them! They would listen to the teacher. They often listen to him. If only the teacher cared for me. Maybe I will ask Mom and Dad to transfer me to another school where I will enjoy myself, work with my classmates and where the teacher will love me.

Activity 13: When the behaviours of pupils promote inclusion

This activity will allow the teacher to reflect on the impact of pupils' behaviours in creating an inclusive environment.

- What is Kondi complaining about, his peers' meanness or his teacher's lack of awareness?
- What kind of behaviour can the teacher adopt to help Kondi?
- In addition to the teacher's behaviour, think about other conditions that could be put in place to create a calm atmosphere that promotes learning.
- Kondi mentions that his classmates push him while playing. As a teacher, how could you help the pupils to adopt inclusive behaviours and attitudes?
- Read Section 3 of Module 2 of '**Life Skills (Primary)**' on the TESSA website. What ideas do Mrs Aber and Ms Okon give? Add them to your list.

If you are working with one or several colleagues, compare and share your answers and ideas, and discuss the things that could be possible in your school.

All pupils need their teachers to show that they really care for them. When the teacher makes a conscious effort to know each pupil, it encourages him or her to do better, to integrate better and to participate more in class.

To establish a peaceful, safe and comfortable environment, teachers have to be proactive. For example, if teachers notice displays of aggressive behaviours by pupils, they may address these by using games and activities that develop empathy and encourage good social behaviours. The class will then be able to formalise a shared and agreed set of internal rules.

3.4 Encouraging collaboration

Encouraging collaboration by giving each pupil a significant role matching his/her strengths and weaknesses

One way to integrate all pupils in the teaching/learning process is to encourage collaboration within clearly defined criteria set by the teacher. Working in a small group, pupils develop their social skills, learn from each other, share knowledge and encourage each other. Giving a significant role to each group member allows members of the group to mutualise their skills and diversities and respect each other's differences.

Case study 5: Mr Sy organises group work

Mr Sy teaches at a school in Saint-Louis in Senegal. One of his favourite TESSA resources is the key resources **Using group work in your classroom**, which is on the TESSA website. He often reads it again when he wants to organise group work. To help his pupils, he prepared a poster.



Mr Sy: Children, we are going to work in groups of six.

The children: (*all shouting and getting in groups of six*) Yes, yes, yes sir.

Jean: I am the leader of the group.

Mr Sy: You were the leader yesterday. What about being the rapporteur today. Who will be the leader?

Ibrahima: Me, sir, me!

Mr Sy: No, we will ask Alice.

Jean: Oh! No! Not a girl!

Alice: Yes, sir!

Mr Sy: That's good! Ibrahima, do you want to be the reader?

Ibrahima: Yes, sir!

Daouda: Can I be the time keeper?

Mr Sy: Very good, thank you Daouda. Djibril, what about you? What are you going to do?

Djibril: I do not want to be the summariser; I am no good at summary.

Mr Sy: I will help you. Okay, Djibril?

Djibril: Okay.

Abdoulaye: I'm going to be the artist.

Mr Sy: Okay. Are the other groups ready? Everyone has a role?

The children: Yes, sir.

Mr Sy: Good! Readers, come and collect the work to be done. I will go from group to group to help.

Activity 14: Good inclusive classroom practices

This activity will help teachers to identify inclusive classroom practices.

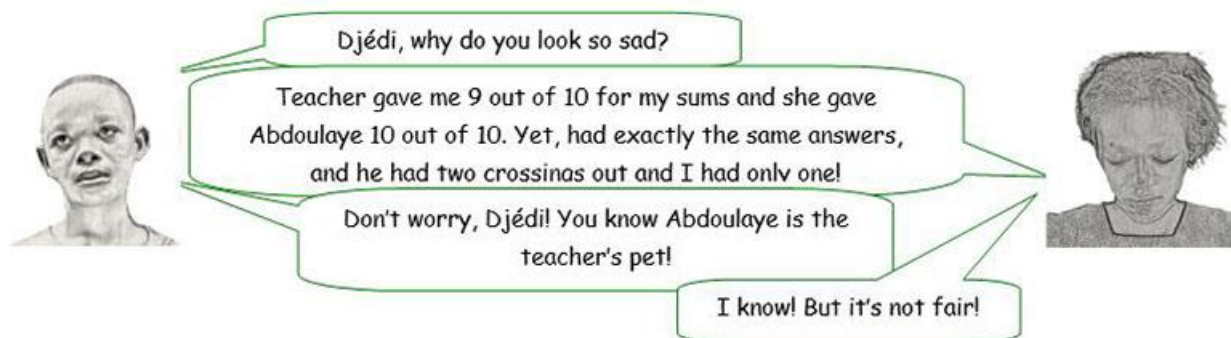
- Read Case study 5 again and identify good practices used by Mr Sy.
- How are these practices beneficial to each pupil?
- Download the key resource **Using group work in your classroom** from the TESSA website and add to your list of good practices.

If you work with one or several colleagues, share your answers and add to your list.

3.5 Focusing motivation to include all pupils in learning

If Kondi goes to another school and his new teacher is not an inclusive teacher, this will not serve any purpose. Indeed, if the teacher does not know how to respond to learner diversity by creating a positive classroom atmosphere and adopting a pupil-centred approach that facilitate learning and the integration of all learners, then Kondi will feel demotivated, and may increase the number of pupils who drop out of school.

Amotivation is what leads to the lack of motivation (Deci and Ryan, 2000). At this point, Kondi will not find any reason to stay in school or to persist in learning activities.



You must also be aware of the injustice that you could display against pupils when you do not have an inclusive attitude in your class. Your positive attitude towards all learners including those with disabilities and those with special educational needs should be obvious, as should your efforts to include all learners in the teaching–learning process. This can only be done if you take steps to create a positive climate in the classroom.

A positive climate is important for all pupils' learning. This is aided not only by the mutual respect among pupils and between the pupils and you (the teacher), but also by the fact that you as a teacher have high expectations from all learners (in terms of behaviour, results, participation, etc.). You encourage them (TE4I, 2012) to meet your expectations by your warm and engaging attitude and you strive to make the class enjoyable both by its physical appearance and by the amicable atmosphere that stimulates learning.

Activity 15: Creating a positive atmosphere in your classroom

This activity will enable teachers to reflect on the impact of all pupils' behaviours in fostering everybody's inclusion.

- On which of the points mentioned above have you already worked? Section 3 of Module 2 of '**Life Skills (Primary)**' available on the TESSA website and its associated resources provide examples of how colleagues proceeded to create a positive climate in the classroom.
- In Case study 2 of Section 5 of Module 1 of '**Life Skills (Primary)**' available on the TESSA website, the teacher, Mr Adamptey, targeted activities for his pupils to do to create a positive atmosphere. Read this case study and see what other activities you could add in your own situation.
- Complete Activity 2 in this section, *Identifying your pupils' personalities* In the same section, read the third part, *Celebrating success*, (including Case study 3 and the key activity). Work with a colleague and consider how these activities help you promote a positive environment in the classroom. What else could you do to get to know your pupils better and help them to contribute to creating a positive classroom environment?

Activity 16: Twelve Attitudes of the inclusive teacher

This activity will allow teachers to reflect on their vision of the inclusive teacher.

- Read the instructions of Activity 10
- If you have not yet worked on this activity, follow the instructions and apply them to this chapter. If you have already started Activity 10, continue to annotate the list using what you have learned in this chapter.

4. Using language accessible to all

At the end of this chapter you will have guided the teachers in training to:

- identify the characteristics of a language accessible to all
- use strategies to ensure that all pupils understand
- develop support strategies to enhance all pupils' understanding
- discover support strategies for technical vocabulary acquisition
- consider the use of the mother tongue to support learning.

Inclusive education means that the education provided is accessible to all. This is not limited to **access to a physical space** as is generally believed. It is often the case that another barrier to learning for some children is the language used. Not understanding what is being said is a cause of exclusion in the learning process. In this chapter we will examine different ways to ensure that the language used in class is understandable by all and accessible to all.

4.1 Accessible language: lexicon, syntax, diction, and elocution



Activity 17: Walking encyclopaedia

This activity will enable teachers to identify the characteristics of a language that excludes pupils.

- Download the resource *Walking encyclopaedia* from the section **Using appropriate language** in the Audio resources area on the TESSA website.
- Listen to this short play and list all the examples of actions that should be avoided that could explain why Ibrahim is finding it so hard to understand Mr Jude. Draw some conclusions: what should teachers do to ensure that pupils understand them?
- What other aspects of language should a teacher consider to ensure that it is accessible to all pupils in the class? Add other ideas that would facilitate pupil understanding to your existing list.
- If you work with colleagues, compare your lists and discuss the strategies you could adopt to ensure that your own language is accessible.

A vocabulary and/or syntax that are inappropriate for the child's age and experience can only create a barrier between the child and learning and between the child and the teacher. Teachers must choose their vocabulary and syntax they use carefully so that pupils understand them. Furthermore, teachers must have a clear elocution and diction and use their voice so as to maintain pupils' attention. They must also ensure that children who need to lip-read will be able to do so easily.

4.2 Ensuring understanding in general

However carefully they choose their language, sometimes, teachers (and adults in general) use words that are not part of children's vocabulary, which makes it difficult for pupils to understand instructions.

Thus, while preparing class lessons, it is important to think carefully about how to formulate and give class instructions.

Case study 6: Ms Touré's instructions

Giving instructions

Steps during the lesson

Reflection:

- What do I want my pupils to do?
- I give clear instructions (see my preparation)
- I ask 2 or 3 children to explain what they have to do.
- I ask if there are questions.

Signal:

- Give the class the starting signal.

Let's go:

- Pupils begin work.
- I move around in the classroom to make sure that all children know what they are doing.

In Segou (Mali), Ms Touré realised that several children in her second-year class always seem to start the work well after the rest of the class even though she gives them the instructions again and individually. She believes that this limits the length of time available to perform the required tasks and that this affects their results.

She asks a colleague to come and observe and to pay particularly attention to the way she gives instructions. After the observation, during the feedback, they agree that the instructions were given in a confusing and hasty way. Therefore, they decide to adopt a new course of action: when she prepares her lessons, Ms Touré will use the prompt card they devise together on how to give instructions. She will also use this card as a reminder in the classroom.

Ms Touré believes that although it will be time consuming, writing the instructions when she does her lesson preparation will allow her to be more precise and clearer in the classroom. She thinks that asking children to repeat the instructions is a useful technique: they will use their own words to explain things and thus will facilitate the understanding of instructions for all pupils. This will allow her, Ms Touré, to check for their understanding.

4.3 Actions speak louder than words

Mme Touré's method is one way to ensure children's understanding. There are many others.

Activity 18: Strategies to help children understand explanations



This activity will allow teachers to start building a bank of ideas they will be able to use to support pupil understanding.

- Download from the TESSA website and read the TESSA key resource '**Using explaining and demonstrating to assist learning**'
- Read and annotate both sections titled '*Assisting learning by demonstrating*' and '*Explaining is not one-way*'.
- Using a table like the one below:
 - Write some ideas of how you can use demonstrations and explanations in the 'Strategies' column.
 - Now think about your pupils who need much more support and, in the 'Adaptations for certain pupils' column, write down your ideas to facilitate understanding for these pupils.

	Strategies	Adaptations for certain pupils
1	Illustrate the explanations with images, diagrams, objects ...	Serge (visual impairment): large images Emilie (blind): An object that can be explored through touch
2		
Etc.		

4.4 Use of technical vocabulary

When you address children, it is important to use words and structures that are easily accessible to them, regardless of their ability level. However, in all disciplines, you will need to use technical words: a fault line in geography, osmosis in science, a bisecting line in mathematics to name a few. All these technical terms will be new words for pupils, words that they will need to understand, learn and memorise.

Activity 19: Strategies to help children understand and memorise technical terms

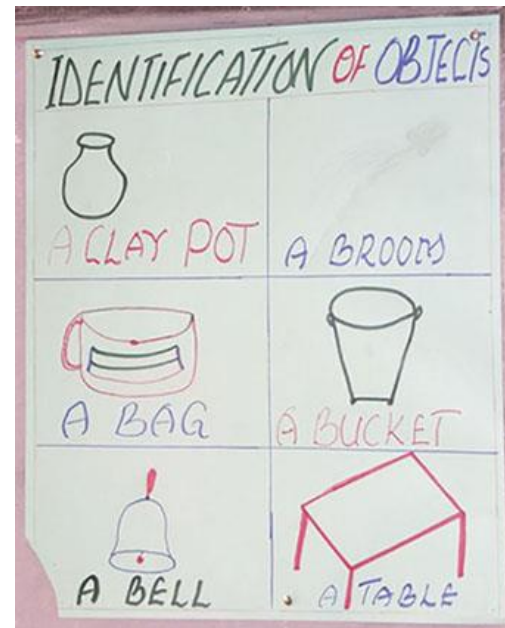
This activity will enable teachers to consider techniques that help children understand and memorise technical terms.

- Brainstorm and list all the strategies you can think of that will help pupils understand and memorise technical terms. (See TESSA key resource '**Using mind maps and brainstorming to explore ideas**' on the [TESSA website](http://www.tessafrica.net).)
- Then read the Case study 2, Activity 2 and Resource 2 of Section 1 of Module 2 of **Numeracy (Primary)** on the TESSA website. If necessary, add ideas to your list.

If possible share and compare your ideas with a colleague.

In addition to using a dictionary, what is on your

- Posters on the walls of the classroom with the new words to be learned and practised, and illustrations explaining them
- Signs placed on walls with new words and definitions
- Activities for learners to practise using these new words, such as games and puzzles.



list?

4.5 Use of one's mother tongue

The appropriate use of the mother tongue can help teachers to evaluate the knowledge and understanding children bring with them and help them to learn further, as illustrated in the following case study.

Case study 7: Mr Auckbar uses the Creole language in his Form I class

Mr Auckbar wants to teach relative position of objects to his class in a primary school in Port Louis, Mauritius. He knows that, in Creole, the concepts of left/right, over/under, top/bottom, front/back, that can be translated as *goss/drawr*, *lor/en ba*, *la o/en ba*, *divan/derrier*, are particularly difficult for his young pupils. He knows the importance of using English in his class, but he also knows the value of a multilingual approach and he is sure that at home his pupils will have heard these words when their parents ask them to store various objects. He decides to check and enhance their understanding of these concepts in Creole before resuming in English.

During researching the TESSA resources, and particularly in Section 1 of Module 3 on Literacy 'How can you help pupils to practise language structures in a natural context?', Mr Auckbar noticed some useful strategies. Using examples of activities based in games, he was able to help pupils develop an example of these concepts. The children took great pleasure to build scaffoldings with their rulers, pencils, erasers and pens, following the instructions given by Mr Auckbar in Creole then in English; first slowly and then faster and faster when the children had gained confidence and showed that they understood the concepts. Finally, Mr Auckbar and the pupils were really happy when some of the children could give the instructions in English and made sure that their friends had placed the objects correctly.

With continuous use of the TESSA resources, Mr Auckbar found other examples and case studies in Section 4 of Module 3 on **Literacy**: 'How to benefit from the knowledge of a local language?'. He decided to keep them at hand to reinforce the main constructs in relative position of objects throughout the class session.

5. Planning and preparing lessons to include all pupils

At the end of this chapter you will be able to...

- set out clear and achievable objectives for the inclusion of all
- break down the objectives and the lesson plan into progressive and feasible steps to facilitate progress and learning
- use activities providing different sensory approaches and outcomes
- select, develop and use a wide range of resources to meet the various needs of all
- understand the meaning of differentiated pedagogy and which elements of the preparation and the lesson can be tailored to meet the needs of all pupils.

Lesson planning is a crucial activity to prepare for the inclusion of all children in the teaching–learning process. It is during the lesson planning that teachers lay the foundation for allowing everyone to have access to the necessary skills, knowledge and know-how. It will also facilitate opportunities for participative learning and classroom life. Everyone will have the chance to progress and succeed. It's during that time that teachers will reflect on the means required to provide support to everyone.

Activity 20: Lesson planning form

This activity will allow teachers to start developing a tool that will support them on planning inclusive lessons.

- Download the key resource '**Planning and preparing your lessons**' from the TESSA website.
- Read it, list the points that are important to you and create a lesson planning sheet that will help you prepare daily.

If possible, share and compare your ideas with a colleague.

Save the form that you create: you will need it in [Activity 28](#), which you will do at the end of the chapter.

5.1 Differentiated goals

After reading the section Planning lessons of the TESSA key resource '**Planning and preparing your lessons**', you have noticed the importance of objectives that:

- reflect what the teacher intends the pupils to learn, at this and different levels
- encompass different elements (understanding, knowledge, competency, skills)
- can be measured through the learning outcomes.

The relationship between objectives and outcomes is illustrated in this table:

The objectives express that at the end of the lesson, the teacher expects the pupils to ...	Examples: At the end of the lesson, pupils will	Learning outcomes: How to evaluate whether the objectives have been achieved?
understand (Understanding) or	demonstrate how and why meandering rivers are formed.	How will the understanding of meanders be measured?
know (Knowledge) or	be able to draw and name the parts of a flower.	How to evaluate what children know about plants?
do (Skill/Know-how)	have made a clay pot.	Are the pots ready?

It is important to add another two characteristics of learning objectives.

- The objectives have to be **achievable** by all the pupils at different levels. In fact, if the objectives are not achieved, the pupils will be failing, and therefore feel frustrated because they cannot meet the expectations. This may demotivate them and they turn them off school.
- The learning objectives (and the learning outcomes) must be **differentiated** in such a way so as to take into consideration and value all pupils' talents and needs. One way of differentiating the objectives is by defining what:
 - **all** pupils will understand/know/be able to do
 - **most** pupils will understand/know/be able to do
 - **a few** pupils will understand/know/be able to do.

For example

- All the pupils will have made a pot.
- Most of the pupils will do a pot with straight and waterproof sides.
- Some pupils could do a pot with straight and waterproof sides, with decorations and a handle.

5.2 Learning through small steps

You may have noticed while reading the section '*Lesson planning*' of the TESSA key resource '**Planning and preparing your lessons**', that It is important to break down subjects and topics to be dealt with in lessons into sections that can fit into a lesson time.

It often occurs that the portion of the subject or theme selected for one lesson is complex, because it is composed of several elements, or because it asks for new competencies or knowledge, but also because children acquire new competencies or knowledge in differently sized bites. Therefore, it is necessary to break down their teaching–learning into small steps that are well articulated and logically organised. This will allow all pupils to attain the objectives of the lesson.

Activity 21: One step at a time

This activity will provide teachers with examples of the steps in planning lessons.

- Download from the [TESSA website](#) Section 4 of Module 3 of **Life Skills (Primary)** and read Case study 1.
- While reading the case study, make notes on:
 - 1) The objectives of the activity proposed by the teacher
 - 2) The different activities/steps that the pupils will go through to reach the objective.

You should also consider one or more activities that will enable you to evaluate whether the pupils have learned, what and how much they have learned. For more information, please consult the chapter '[Assessment and feedback](#)' in this toolkit .

5.3 A directory of activities

After deciding upon the lesson's objectives and all the elements to include, it is time to consider the activities that will best allow pupils to take part in the learning process and achieve these objectives. The activities concerned are activities pupils will do in the lessons and that will engage their mind actively. (See **About TESSA** in the **Teaching Practice Supervisor's Toolkit**).

It is important to remember that we all have different and preferred ways of learning:

- Some of us, the 'visual learners', learn by visualising the information. Sight is their sense of predilection. For them, a picture or a diagram speaks louder than words. They love to explain while drawing or designing models.
- Some of us, the auditory learners, learn by listening. Hearing is their predominant sense. They love words, music and oral communication. They may take very few notes and often choose to remember things by putting them in rhymes or music.
- And finally, some of us, the kinaesthetic learners, learn by moving, touching or doing. They prefer to experiment rather than just follow instructions.

Howard Gardner, a developmental psychologist, defines nine types of intelligence that give different access to learning. This theory, although now controversial, allows us to take into consideration the differences and the needs of individuals when we prepare lessons.

a. Activities for all senses and all types of intelligence and to support the development of a range of skills

In your class, you have children with different learning styles. You may also have children with disabilities and you will need to select activities that will allow them to learn. Pupils with visual impairments are likely to respond well to auditory activities. Those that are hyperactive will have done well in activities for kinaesthetic learners that will enable them to move, and finally the techniques adapted for visual learning will be useful for deaf or partially hearing pupils. Thus, when preparing lessons, it is crucial to plan a range of learning activities that will cover the needs of different learners by catering for the range of learning styles.

By selecting a varied range of learning activities, not only will you take into consideration your pupils' different learning styles, but you will also ensure that pupils develop a wide range of competencies.

Case study 8: Teachers adapt activities to meet some of their pupils' needs

8a: Mr Sadio adapts a science lesson for Hadiatou

For his science lesson with the CE2 class in a primary school of Kankan in Guinea, Mr Sadio has decided to use a sorting exercise as used by Ms Ukwu in Case study 1, Section 1 of Module 1.

He read the case study carefully and prepared his lesson plan making sure that all steps were well defined and that all the resources he would need were available. Then, as usual, he thought of ways he would adapt the activity to enable Hadiatou to participate and learn. Hadiatou is blind and is always ready to try new activities. For this activity, he will check that she can manipulate selected objects easily and safely (for her and the objects). Then, he will make her work in pairs with Souaré. Souaré is patient, attentive, and he talks clearly. Before the lesson, Mr Sadio will talk with Souaré and tell him exactly what he expects from him when working with Hadiatou: he will have to guide her towards the tables, describe what is in the tables to her. Then he will accompany her to the yard and pass objects to her so that she can choose two or three objects. When the children will get back to the classroom with their non-living objects, each child will have to describe clearly what he has chosen and why, and to indicate where he will place his objects and why. When it comes to drawing a plant or an animal, Hadiatou will tell Mr Sadio what she wants to present to the class and he will draw it quickly himself so that Souaré will be able to do his own work. Finally, every object will be described in such a way that Hadiatou can take part in the discussion.

8b: The day Gilou got 10 out of 10 in arithmetic. His mother tells the story:

'That day, Gilou came back from his school in Tsévié, Togo. He was proudly holding his slate. On it were red markings: very good 10 out of 10.

He proudly told me: "Mom I did my sums right! Look! I've got 10 out of 10." I took his slate and looked: it had three circles, the first one with six pebbles of which three were crossed off, the second and the third ones contained three pebbles each. In between the first and the second circle there was the minus sign and the equal sign was between the second and the third circle.'

What had the teacher done for Gilou? Knowing that Gilou found it difficult to set out and resolve sums, he had used a diagram to set the sum while the rest of the class calculated it more traditionally. By using differentiation by task, the teacher enabled Gilou to give a correct answer, thus allowing Gilou to obtain a perfect score like the others. During a later session the teacher helped Gilou to put the number in the boxes:

$$6 - 3 = 3$$

8c: Mr Sarré, a teacher in Senegal, talks about the spelling test he is preparing for Antoinette

In general, when we do a spelling test and there are children with hearing loss in the class, we must go slowly and we face the pupils. However, Antoinette is profoundly deaf, so I am going to prepare the dictation text with mistakes in and will ask her to identify them while her friends will write the actual text.

8d: Talented children have special needs too

Bintou is a pupil in a state school in Bamako, Mali. She is in Mrs Samaké's grade 4 class. Bintou works quickly and often finishes the classwork before her friends. At the beginning of the school year, she showed a great sense of curiosity and asked many questions that revealed that she has an excellent memory and quickly identifies abstract relations linking topics from different school subjects. But in recent weeks, Bintou does not participate as readily in class activities and often seems bored. Concerned that this disengagement has a detrimental effect on Bintou's progress and achievement, Mrs Samaké discusses Bintou's case with the school counsellor (SC) who asks many questions about the child. He thinks that Bintou is probably a talented child who needs to be motivated. He advises Mrs Samaké to continue using the active learning approach she uses and to engage Bintou by avoiding, for example, to give her repetitive exercises to do. The SC suggests that Mrs Samaké starts creating a bank of graded exercises with answer cards for self-checking and self-assessment. It will allow Bintou (and others) to work at their own pace and at their own level, independently or in groups. He also recommends the use of exercises for Bintou to do research work, to solve problems, and to use her curiosity and creativity. For example, after completing two or three exercises, Bintou can invent similar problems and provide their solutions: this will prove she has understood and the problems created by her could be used for the bank of graded exercises for the class. Furthermore, Bintou could engage in activities allowing her to satisfy her curiosity, such as taking advantage of a reading corner or a mathematics corner when she finishes the training exercises. In all the cases it is important to continue to include Bintou in the class: peer tutoring would enable Bintou and other more advanced pupils to tutor classmates. This could also be a way of meeting her needs.

Activity 22: Activities for all

For this activity, teachers will consider different learning activities and decide which type of activity is best suited for which type of learner.

- Gather the preparation notes of the last two lessons you have prepared.
- Draw a table like the one below, and do the following for each preparation sheet:
 - In column 1, note down the activities **done by the pupils**.
 - In column 2, specify for which kind of pupils these activities (visual, auditory or kinaesthetic) are appropriate and the skills that they will develop.
 - Finally, in the last column, indicate for which pupils you would require personalising the proposed activity – think about their gender (girl/boy), disability, etc.

Activity done by pupils	Learning type and skills being developed	Adjustments for ...
Earth science: Classification of living and non-living objects (TESSA Sc M1 S1 EdC1)	Visual Observation, logic	<i>Deaf children:</i> Use sign language to give instructions or put them in writing in advance <i>Blind children:</i> Choose items that they can touch or make them work in pairs and have their partner give detailed descriptions (brief partners carefully)
Maths		
Etc.		

- Reread your list critically. In each lesson, do you have activities that cater for different types of learners? If not, which activities could you introduce so that all types of learners reach the learning objectives?

If possible, share and discuss your ideas with a colleague.

b. Recreational activities

Learning is a very serious task, but as you may have noticed in several chapters of this toolkit, promoting a good atmosphere is conducive to learning (whereas fear hinders learning). Therefore, carefully planned games have their place among the repertoire of learning activities. They often help pupils to learn without effort and help teachers to observe pupils, their understanding of concepts, and their strengths and weaknesses.

Activity 23: Games to learn

This activity will allow teachers to discover several games and consider how they contribute to learning in various school subjects.

- Download the following resources from the [TESSA website](#):
 - **Literacy (Primary)**, Module 2, Section 3
 - **Literacy (Primary)**, Module 3, Section 1
 - **Numeracy (Primary)**, Module 1, Section 1
 - **Sciences (Primary)**, Module 3, Section 1, Resource 2
 - **Social Studies and the Arts (Primary)**, Module 1, Section 1
 - **Life Skills (Primary)**, Module 1, Section 2.
- For each of these examples, make a note of the game being used and the learning objective(s) reached through play and a relaxed atmosphere.
- If you have other ideas for learning through play, add them to your list.

If possible, share and discuss your ideas with colleagues.

c. Varied and open ways to present the results and outcomes of an activity

Teachers often ask children to present the results or outcomes of activities performed in class or as homework as a piece of writing. However, to stimulate pupils' interest and develop different skills, alternatives should be considered. It is also recommended to sometimes give pupils, the opportunity to choose how they will present their work.

Activity 24: Activities with varied results

This activity will show teachers in training how creative teachers assign activities that lead to original results/outcomes.

- Download the following resources from the [TESSA website](#):
 - **Science (Primary)**, Module 1, Section 4
 - **Literacy (Primary)**, Module 1, Section 5, Case study 1
 - **Numeracy (Primary)**, Module 3, Section 5, Case study 2 and 3
- For each one of these examples, note the activity and results/outcomes. Also write down your opinions about what was offered by the teachers to the pupils.
- Alone or with colleagues, brainstorm ideas of activities and the way they impact the learning experience. (See TESSA key resource '**Using mind maps and brainstorming to explore ideas**' on the TESSA website).

TESSA resources contain many examples of activities that lead to diverse results/products: a drawing, a poster, a sketch, a dance, a play, a debate, a presentation, or, as in the case studies that you have just read, real outcomes useful for the school and the community.

5.4 Resources for all

The teacher must prepare their lessons that stimulate all the pupils' interests. One aspect of the preparation is to identify resources that will assist or encourage the pupils to learn.

a. Where to get resources

It is not always easy to find the resources you need. You will often have to be a resourceful, creative and inventive teacher.

Activity 25: Appropriate resources

During this activity, teachers will identify appropriate resources.

- Download and read the following key resources from the [TESSA website](#):
 1. 'Being a resourceful teacher in challenging conditions'
 2. 'Using the local community/environment as a resource'
- As you read these documents, highlight the ideas listed in them that you can easily reuse in your class. If these ideas trigger new ones, write them down in the margin.



If you are working with groups of teachers, share, discuss and develop these ideas. During your work with TESSA resources, make notes of how useful these resources/ideas that you have put into practice were and how you could improve them.

TESSA resources offer many examples of teacher ingenuity in terms of finding resources: a list of objects is drawn for the making of musical instruments in Resource 2, Section 4, Module 3 of *Social Sciences and the Arts (Primary)* or, in the same module, old tools traditionally used in agriculture brought by a member of the community (Case study 2 of Section 2). The teacher cannot do without this invaluable support. It may even be the case that some community members are happy to share resources for the classroom and for the school.

b. Choosing or developing learning resources

When selecting and preparing learning resources, whether they are especially tailored or collected from the classroom, school or community, teachers should analyse them from different perspectives.

Selected or made-up resources must meet everyone's needs. If in a class, there are one or more children with disabilities, do these resources enable all of the children to learn? Are they multi-sensory so that everyone may benefit from them? If these children are blind, will they be able to touch, smell and listen? If they are deaf, will they be able to visualise the information, smell or feel? The stories in [Case study 8](#) illustrate how teachers think carefully about resources that will be used to enable all children to be able to carry out the learning activity.

The selected resources convey a positive image of people belonging to minority groups

Activity 26: Selecting resources that convey a positive image of people in vulnerable minority groups

This activity helps to identify or create resources that enable a) pupils with disabilities to identify with the selected materials and b) pupils without disabilities to appreciate that everyone can contribute to one's learning.



Source: ILEA Equal Opportunity Clipart folder

- Look at the illustrations of school subjects in the pictures above: how do they promote inclusion among pupils?
- Now download the following three TESSA resources from the [TESSA website](http://www.tessafrica.net). Read them carefully and reflect on them. How could they be adapted in order to give a positive image of people with disabilities?
 - Mr Simon Ramphela organises a session to read newspaper articles on famous people: Case study 2 of Section 4 of Module 2 of **Literacy (Primary)**
 - Resource 3 of Section 4 of Module 2 of **Literacy (Primary)** on using praise poems
 - Resource 4 of Section 4 of Module 2 of **Literacy (Primary)** on preparing to write a biography.

As you read and discuss ideas with colleagues, add to your own collection of ideas.

While allowing children with disabilities to have a positive image of themselves, the chosen resources convey the message to all children that everyone can access the same opportunities: boys learn home economics, girls do science experiments, children in wheelchairs play basketball, etc. To further enhance the image of minority groups, Mr Ramphela could include a few articles about Paralympic athletes or fashion models wearing a prosthetic leg. In the discussion and preparation for writing the biography, why not choose a character representing a vulnerable group of the population?

c. A resource centre for the school or for several schools?

The same resources will be useful to many teachers in the same school. It would therefore be appropriate to catalogue these resources and share them within the school.

Case study 9: A group of student teachers create a resource centre



Resource Centre at the NTI Regional Centre, Kaduna, Nigeria. Mike Bird (2004)

During her teaching practice, Aisha had to teach a sequence of lessons on weather forecasting. She remembered the work she had done using TESSA resources in her NTI* Distance Education modules. She researched Section 3 of Module 1 on **Social Studies and the Arts (Primary)**, and decided to build a weather station for her class using the instructions from the Resource 3: 'Measuring the wind direction and speed'. Her sequence of lessons was a great success for both the pupils and teachers of the school.

Back at the NTI Regional Centre in Kaduna, during a feedback session on the teaching practice, Aisha shared her success and experience. Inspired by her success, the other student teachers expressed the wish that she shares her resources with all of them, and also with teachers in the training schools.

The student teachers received permission from the Head of the Regional Centre for the creation of a mini resource centre located in a small room. They put in all their resources and shared them with the teachers of the local school.

* NTI: National Teachers' Institute, Kaduna, Nigeria

Following this example, one or two teachers could be responsible for collecting and managing learning resources in a school. This would allow teachers to share and integrate all their good ideas for the benefit of all children.

5.5 Differentiation

Differentiation is a process that involves the adaptation of teaching-learning strategies to the needs of all learners: ‘The purpose of education for all children is the same; the goals are the same. But the help that individual children need in progressing towards them will be different’ (Warnock Report, in Dickinson and Wright, 1993, p. 2). Differentiation is therefore a process whereby teachers recognise the individual pupils’ needs in their classroom, and plan accordingly to meet those needs, to give each pupil access to learning according to his/her own capability and to account for differences in comprehension, abilities, current knowledge and what he/she can achieve.

This process does not happen automatically: it has to be well planned. Differentiation means that the teacher(s) will do something intentionally. This is related to lesson planning to meet the individual needs of each learner. It is based on understanding individual differences, as well as the value placed on the learning of each pupil.

You should be aware that children acquire new knowledge, skills and understanding in different ways and at a different pace. The class lesson should be presented in such a way that the learner has access to the new teaching aids in order to progress.

Activity 27: Which aspects of the preparation and teaching can we adjust to ensure differentiation?

This activity will allow teachers to identify the components of lesson planning and teaching that contribute to differentiation.

- Read this chapter again quickly and make a list of the components of your lesson plan that can be modified to meet everyone’s needs.
- Next to each component that can be differentiated, indicate how they can be modified and how this will help meet the pupils’ needs.



According to Dickinson and Wright (1993, p. 3), the teacher can differentiate in a number of ways. The diagram below considers the aspects of a lesson:

Generally, the content is set to meet National Curricula and cannot be modified. Differentiation by content is therefore not usually possible.

The outcomes are those produced by pupils, and thus are variable. Outcomes are not an aspect that can be differentiated by teachers when they plan and prepare the lessons. Differentiation by outcomes is not something teachers can control and plan for.

To reduce the gap between the pupils’ current understanding, skills and knowledge and those they are capable of achieving, teachers will have to consider which resources and activities to select. Two dimensions, the support to student and the role of feedback after evaluation and assessment, are not covered in this chapter. They are addressed in subsequent chapters: ‘[An appropriate support for all](#)’ and ‘[Assessment and feedback for learning](#)’

5.6 A lesson planning form

During a training workshop in Kaduna, Nigeria, teachers and teaching practice supervisors worked on the key resource TESSA '**Planning and preparing your lessons**'. Together, they developed guidelines for lesson planning.

Activity 28: A lesson planning form

This activity will allow teachers to design a tool which will support them in preparing and planning lessons that are more inclusive.

- The chapter you have just worked through provides you with a checklist of all important components to help you design a lesson planning form. Read it again and continue this list:
 - *One or several differentiated objective(s)*
 - *One or several learning outcomes*
 -
- Look back at the form you created when you completed Activity 20. Is it as exhaustive as it could be?
- If you want to change it, go for it!
- Look at the [Lesson planning form](#) prepared by the teachers at a teacher training workshop in Kaduna, Nigeria. Does it include all elements of the list?
- If you want to change your lesson planning form after reading the one prepared by the teachers at the Kaduna workshop, please do.
- Keep your amended lesson planning form and use it to prepare your lessons.
- After teaching two or three lessons using this lesson planning form, think:
 - Does the lesson planning form help you be more inclusive in your lessons?
 - Justify your answer: why or why not? What evidence do you have?
 - Continue to modify the guide until it really helps you in your preparation of inclusive lessons.

If you work with colleagues, compare your experiences and your lesson planning forms.

Lesson planning form

Subject

Topic

Subtopic

Class

Average age

Gender

Date

Time

Duration

Objectives: *By the end of this lesson, the pupils should be able to:*

-
-
-

Instructional materials

-
-
-

Previous knowledge

Introduction

Should use other strategies besides questions, e.g. stories, demonstration, songs, picture(s). A lively beginning that is captivating.

Development/presentation

	Time	Teacher activities	Pupils activities
Step 1			
Step 2			
Step 3			
Step 4			
Step 5			

Evaluation (including some self-evaluation strategies for the pupils?)

Feedback

Summary

Conclusion

6. Assessment and feedback for learning

At the end of this chapter, you will lead teachers to understand how:

- formative assessment helps learning during the whole learning process
 - sharing assessment criteria with the pupils impacts on learning
 - to develop feedback strategies that will motivate pupils.
-
- **Summative assessment** looks at the past and assesses what has already been learned. It generally entails tests and written grades that indicate the pupil's level of success in a particular subject or task. It does not play a significant role in the learning process.
 - **Formative assessment** or **assessment for learning** is used as part of the learning process (for example: when teachers ask questions to check whether pupils understand). 'Assessment refers to all those activities undertaken by teachers, *and by their students in assessing themselves*, which provide information to be used as feedback to modify the teaching and learning activities in which they are engaged' (Black and Wiliam, 1998, p. 2). According to Nougier-Barriol (1999) this implies that we address the learning gap and it is related to a pedagogy of success.

6.1 Formative assessment

Formative assessment is based on the premise that pupils make the biggest progress when:

- they understand what they have to learn
- they know exactly where they are in the learning process
- they see how they can bridge the gap between their current achievements and what they have to achieve next.

As a teacher, you will help your pupils to achieve the best results if you use the three points mentioned above that highlight the fact that the evaluation process/assessments is the responsibility of both pupils and teachers as well. How does it work?

Activity 29: Assessment, a learning tool

This activity will allow teachers to think about strategies to use assessments as learning tools.

- Download and read the TESSA key Resource '**Assessing learning**' from the TESSA website.
- As you read the key resource, for each of the three points above note the actions you will take so that the assessment process helps pupils to learn.
- What seems to be the key word for formative assessment (or assessment for learning) according to you?

If you want, copy and complete the table below:

Objectives	Strategies/actions
Pupils understand what they have to learn.	<ul style="list-style-type: none"> • Share the learning results with them. • Make sure that they understand. • Give them enough time to explore.
They know exactly where they are in the learning process.	
They see how they can bridge the gap between their current achievements and what they have to achieve.	

If you are working with a colleague, share and discuss your answers.

Save these notes/this table and when you discover new strategies for assessment for learning, add them in the appropriate cell.

a. *Formative assessment: when and for what purpose?*

Throughout the TESSA resources, the examples of assessments illustrate the many different types and uses of assessment for learning and the strategies used.

Activity 30: Assessments: when and why?

This activity will allow teachers to explore formative evaluation at different stages in time and for different objectives.

- Download and read the following TESSA resources from the [TESSA website](https://www.tessafrica.net):
 - **Literacy (Primary)**, Module 1, Section 5, Resource 4
 - **Numeracy (Primary)**, Module 3, Section 1, Case study 1
 - **Numeracy (Primary)**, Module 3, Section 1, Resource 5
 - **Science (Primary)**, Module 1, Section 1, Case study 2.
- Which of the descriptions of formative assessment (below) correspond best to each of the resources listed above?
 - a. Assessment **before** starting to teach new content to assess current understanding or knowledge as well as misconceptions on the topic – to enable planning for progression to a more advanced level
 - b. Assessment that takes place **during** class to check understanding and learning as the activity progresses – to enable to adjust what happens in the lesson accordingly.
 - c. Assessment that takes place **at the end** of the lesson to measure what the pupils have understood, learned or acquired – to enable the next lesson content, methods and/or the support to be adjusted.

If possible, share, compare and discuss your answers with a colleague.

A well-conducted formative assessment helps teachers to monitor pupils' progress and target the next step in the learning process more precisely. If teachers take note of some pupils' quick progression or the difficulties encountered by others, they will be able to set appropriate support structures for all pupils, whatever their potential and level of attainment.

b. Sharing assessment makes it a more effective tool

When shared with pupils, assessment can help to improve their performance.

- In order to assess the pupils' work, teachers decide on assessment criteria against which to judge the work. If teachers share these assessment criteria, pupils will understand exactly what is expected and how the work should be done in order to succeed. Sharing, or even developing, the assessment criteria with pupils is important to help them achieve the desired objectives.
- Sharing the assessment criteria with the pupils helps them to evaluate their progress, their own and their peers' work or an event in which they participated. This allows them to start thinking of ways in which they could improve their work.

Being involved in assessment enables pupils to understand why they are learning and to define the objectives they should achieve to progress. It also improves the pupils' self-confidence and enthusiasm for learning.

c. Teachers also benefit from formative assessments

If formative assessment is beneficial for the pupils, it is also beneficial for teachers: if teachers think about the pupils' reactions, learning outcomes, the way the lesson developed and the quality of the activities, then teachers can improve their own performance. This enables teacher self-evaluation.

Formative assessment is at the heart of the learning process. Do not consider it a final activity: the assessment process must take place throughout the lesson, the sequence of lessons or the project and is prepared at the planning stage.

The key word for formative assessment (or assessment for learning) is 'constructive'.

6.2 Positive feedback

Nothing contributes more to success than success itself. This is what the following case study illustrates. Pupils that are recognised for their hard work will work even harder and strive to receive more recognition from the teacher. The feedback given by the teacher is very important to motivate pupils to do their very best.

Case study 10: The day Gilou got 10 out of 10 in arithmetic. His mother tells the story:

'That day, Gilou came back from school. He was proudly holding his slate. On it were red markings: very good 10 out of 10.

He proudly told me: "Mom, I did my sums right! Look! I've got 10 out of 10."

In this case, the teacher gave Gilou a score. And since Gilou got the maximum score, the teacher did not have to tell him what to do to improve his work. But let's see how Jessica Osei, a teacher in Ghana, used the evaluation of the pupils' work and her own reflection on this evaluation, not only to help her pupils progress but also to decide on strategies that would help to promote success.

Case study 11: Constructive feedback that will help improve the answers to a class test

Jessica Osei, a teacher in Ghana, was disappointed with her pupils' performance in the assessment task. She reviewed their written responses and realised that many pupils had misunderstood the instructions.

In her next lesson, Jessica gave feedback to her pupils explaining that because they had not clearly read the instructions she wanted them to go through the assessment task and underline all the action words, for example, describe, explain, name and list.

The next time Jessica assessed her pupils' learning, she gave her pupils time to read the whole task and underline all the action words before beginning the assessment.

Adapted from the TESSA handbook, **Working with pupils: A guide for teachers**

Giving and receiving constructive feedback is a very important part of the assessment process. It is important for teachers to give pupils either written or oral feedback, explaining clearly what is good about their work, what is not so good, and how it could be improved. This provides the opportunity to give individual pupils personalised targets to enable them to progress and improve at their own pace according to his/her abilities and needs. This is what Dickinson and Wright name 'differentiation by response'.

Concerning written comments on assessments, when teachers work with a large teacher–pupil ratio, creating a roster could be a solution. If a pupil has done something that surprises you because it is really good or not as good as usual, take time to analyse what may have happened so that he/she continues to produce quality work or try to improve.

Think of using the feedback given in previous sessions to do your lesson plan, the activities and the following assessments. Remember that making the learner participate in their evaluation will help in the learning process.

The figure below shows the integration of assessments in the learning process.

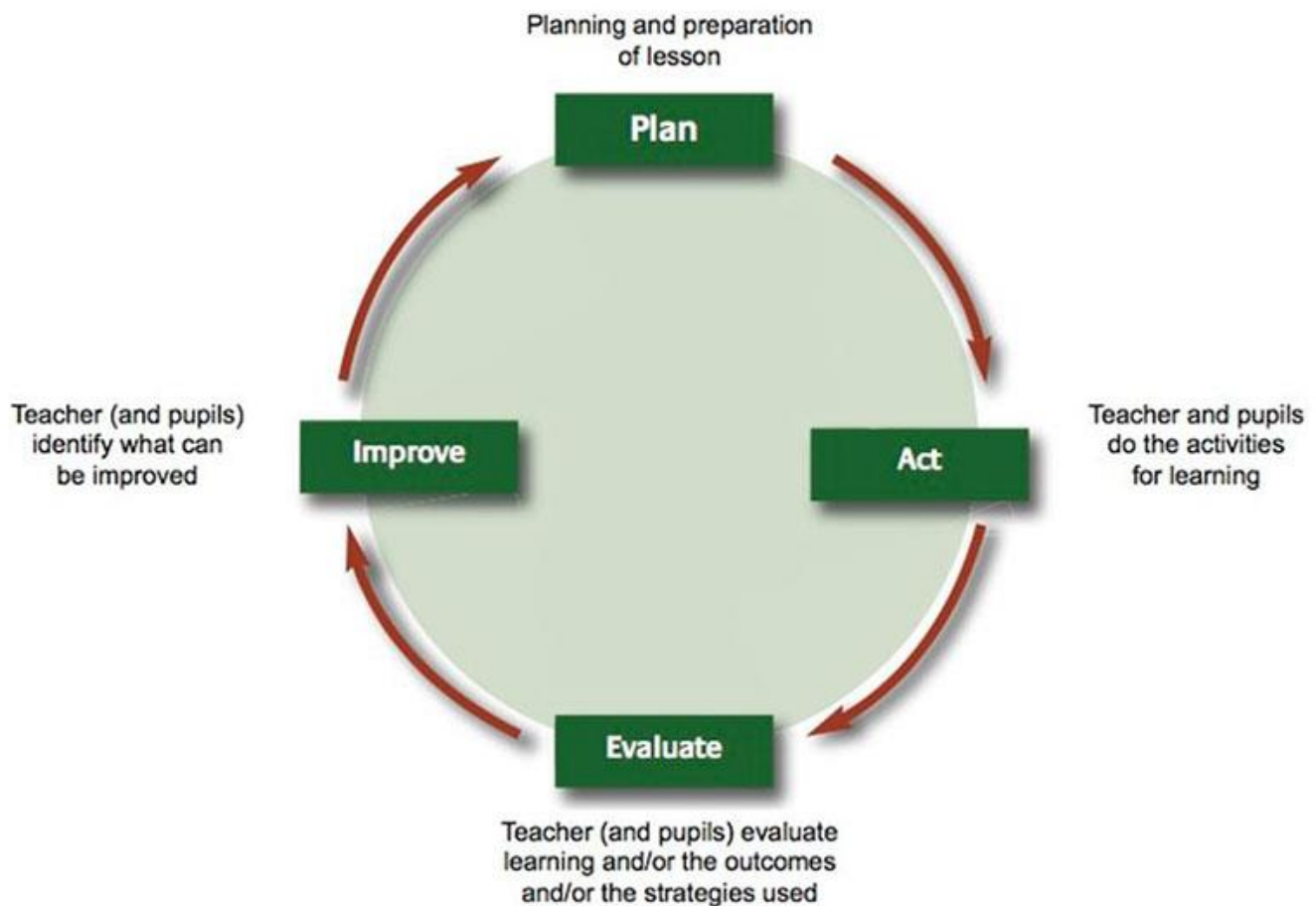


Figure 3: integration of assessment into the learning process

7. An appropriate support for all

At the end of this chapter, teachers will have learned to: develop various forms of support to help all pupils to learn

- be aware of the importance of the role of support in differentiation
- reflect on the type of support that they, teachers, need and/or will be able to benefit from
- reflect on work conditions when another person works alongside them in the classroom.

Becoming an inclusive school is not easy and it is crucial to consider the types of support that both pupils and teachers need. Teachers can use various support strategies to promote learning and the inclusion of all. It is important to remember that teachers working towards an inclusive school will need support; it is a process that frequently challenges their (often long-held) own values, attitudes and their practice.

7.1 Support for pupils.

There are many ways to provide support for pupils to access learning.

a. *Types of support integrated in the teaching:*

When teachers are preparing lessons, it is important that they decide in advance on the type of support the pupils will need in order to do the expected task. They might, for instance, consider the choice and/or the adaptation of activities and resources, or the questioning technique. Once teachers have established the necessary support for pupils, they then have to plan carefully.

Case study 12: The advice from Mrs Dalok's school board

Mrs Dalok is the headteacher of a state primary school at Adétikopé in Togo. This school year, the school is welcoming children with disabilities: a child in a wheelchair who also has a lack of visual acuity, and a child with a hearing impairment. The headteacher checks her school with her team of five teachers to establish what needs to be modified. The third item on the agenda is:

3. Support during class lessons

Mrs Dalok: Mrs Laban, the pupil with a physical disability will be in your class. Have you thought of what you could do for him? Remember, that he is also a pupil with a visual disability. He does not see well. However, you can all give Mrs Laban ideas on how to include this child better.

Mrs Laban: I was thinking of placing him where he can see the blackboard well.

Mr Adj: It is also imperative to write legibly and in big font and to read what is written on the blackboard aloud. All materials also need to be prepared to accommodate his needs: materials printed in big font, bigger pictures ...

Mrs Dalok: Thank you. We will meet his parents to have more information on his condition and

to ask whether he might need notebooks with thicker lines for writing.

Mrs Laban: I was thinking that we could use objects for him to handle/manipulate to learn better. I also intend to involve his classmates; he will work in pairs or in small groups and thus will have his friends' support.

Ms Karim: If his eyesight is greatly affected then we have to help him, through games, to learn the names and voices of his friends by hearing or touch.

Mr Eglo: If his eyes are greatly impaired, then, we will need the help of teachers from specialised schools for blind children to be able to manage, as he will need specific materials for science and mathematics. He will need materials written in Braille, and it might also be helpful to record some lessons for him.

Mrs Dalok: We'll see. Now, let's talk about the pupil with a hearing disability, Mr Adj. Most of the arrangements we have talked about will also benefit her. But more specifically, how do you plan to meet the needs of that particular pupil who will be in your class? Please, the rest of you, feel all free to contribute.

Mr Adj: First of all, I will explain to her friends the difficulties that she faces, the precautions they have to take when they will talk to her. In class, I will place her facing away from the light, not far from the blackboard so that she can see my face and also the other pupils' faces when we are talking and we have to articulate clearly and at a slower pace. I intend to seat her near a good and caring pupil who can help her if needs be. She will also benefit from duplicated lesson notes.

Mr Eglo: For spelling exercises, she can be given texts with mistakes to detect while her friends are writing the text. But if she can do the spelling test, then you must talk at a slower pace and never talk with your back turned. You must also check if she has understood the questions and reframe them in a simpler and different way.

Mrs Dalok: You must also make sure that the teaching aids include objects, toys, games and pictures that will facilitate understanding and assimilation of knowledge to acquire. All the other pupils will benefit from the arrangements that should facilitate learning for all. But in this case, we'll have to see whether the hearing impairment is acute, how to work with the parents and specialised schools, and how to improve what we do. We may have to learn sign language to be able to communicate with her.

Activity 31: Pupil support strategies integrated to the teaching

This activity will enable teachers to start collecting strategies to vary and adapt activities and resources and to use questioning in order to support pupils.



Support integration in the activities

- Prepare a sheet entitled ‘*How to integrate support into the learning activities*’.
- As you read the following documents, write down the ideas you could use to support pupils in doing all suggested activities. If other ideas come to mind, add them. Organise your notes in such a way that they are really clear and useful when you prepare your lessons.
- Documents to read: Click on the link [A directory of activities](#) or look for it in the chapter ‘Planning and preparing lessons to include all pupils’ and read it. Then, read **Case study 12: The advice from Mrs Dalok’s School Board** above.



Support through using varied and adapted resources

- Prepare a sheet with the title ‘*Support by resources*’.
- As you read the following documents, write down the ideas you find on varied and adapted resources. If other ideas come to mind, add them. Organise your notes well so that they are truly useful when preparing your lesson.
- Documents to read: [Resources for all](#), click on the link or look for it in the chapter ‘Planning and preparing lessons to include all pupils’ from this Toolkit. Then, read **Case study 12: The advice from Mrs Dalok’s School Board** above.



Support using appropriate questions

- Download the key resource ‘**Using questioning to promote thinking**’ from the TESSA website
- While reading this resource, annotate it.
 - Think of the stages of learning in the topic and the level in development of reflection reached by your pupils.
 - Think of your pupils. Which type(s) of question(s) will you use to enable weaker pupils to find the right answer? Which type(s) of question(s) will you ask to promote further thinking for the gifted pupils and further develop their problem-solving skills?
 - If you wish, you could also prepare a sheet *Questioning techniques to enable pupil support*. This may help you prepare your lessons.

If you are working with a colleague, share and discuss your answers and your list of strategies.

Keep these lists at hand. When you encounter new strategies for assessment of learning, add them to the appropriate list.

b. Providing support by using group work in the classroom

Activity 32: Advantages of using group work

This activity will allow teachers to think about the best way to use group work to provide different pupils with different support.

- Alone or with colleagues, brainstorm on the theme 'Providing support by using group work in the classroom'. (See TESSA key resource '**Using mind maps and brainstorming to explore ideas**' on the TESSA website.)
- After brainstorming, read your list of ideas. Would you like to organise them? Would you like to add anything? Feel free!
- Collect other ideas from the TESSA key resource '**Using group work in your classroom**' (download it from the TESSA website) and **Encouraging collaboration** in the chapter 'A classroom for all in a school for all'.
- Now, compare your list to the one created by a group of teachers during a session for professional development in Case study 13 below. Which list seems more comprehensive? Don't hesitate to add other elements to yours if you wish.

Case study 13: The results of a group of teachers' brainstorming session on the advantages of using group work in the classroom

- Pupils learn from each other.
- More pupils will have the opportunity to talk in the same space of time.
- Shy pupils will feel safe enough to express themselves.
- The ideas of pupils who do not dare talk in front of the whole class will be listened to and validated.
- My deaf pupil can write her contributions and will be given a voice through the group spokesperson.
- The pupils can make mistakes without feeling threatened in front of the whole class.
- When well managed, group work promotes collaborative work and the participation of all children.
- There is less room for teacher talk and thus pupils have greater opportunities to express themselves.
- When pupils are working in groups, I can circulate among groups, listen to them, take note of the needs of pupils' individual needs, intervene to provide them with individual support or ask questions that will push them to find more complex solutions.
- If, as the teacher, I think ahead on the composition of the groups and the type of work I will give to each group, I can work with different groups at different points in times so as to provide the appropriate support to the weakest or to the gifted ones and allow everyone to try the type of work that will stimulate them most.
- One can give different activities to different groups in order to address any gaps or put in place the activities for progress, according to notes I took in previous sessions.
- I can distribute different support cards to different groups.
- I can ask one of the parents helping me in class to work on something specific with specific pupils.

c. Pupils supporting pupils

Case study 14: Alassane, a profoundly deaf young man from Senegal, shares some of his experiences at school

‘There is not a secondary school for children with hearing disabilities in Senegal. When I was in standard 6, on the first day of school, the headteacher made me sit on the front bench. The girl next to me started writing on a piece of paper for me. It was then that I realised the importance of making progress in French.

Fortunately some teachers as well as some classmates started to learn sign language and the little they knew made them become more interested in me and more willing to help me.

After the high-school certificate, I took part in a competitive examination for admission at the Higher Institute of Technology and I was accepted. When we started the new academic year, I was not feeling at ease when the people started to talk. Fortunately, there was a student, MouhamedLamine, who knew American Sign Language and had completed his studies the previous year. He came to sign the first day’s instructions and also the following days’. He also explained to me some of the difficult topics.’

Case study 15: Idrissa, a child with albinism, talks of the support received during his school years in Zambia

... Others supported me in class, as my eyesight is not good. My classmates took notes for me or read from the blackboard; others let me borrow their notebooks so that I could copy the notes at home. Even though I was seated in the first row I had problems seeing. As far as the teachers’ support is concerned, there was a teacher who wrote to the authorities to advise them that there was a pupil who could not see well at school and that all the assessments given should be written in bigger font. And it did happen: they used a bigger font for all the exam papers.

Case study 16: Lélé has a slight mental deficiency. He is in CE2 in a state primary school in Boukoki in Niger. Sani, his brother, talks about what he does in his free time

‘I am in Form 2 and we don’t have lessons in the afternoon during week days. Every week, for one or two afternoons, I go to Lélé’s school. When I arrive, the teacher tells me exactly what he is going to do and what he wants me to do for my brother. Actually, I mostly repeat the instructions to make sure that Lélé understands properly. I observe and guide him when he is doing the activities. I follow the teacher’s recommendations and am very careful not to do the work for Lélé. What I prefer when I go to my brother’s school is to read stories to a small group, and to show them pictures. Seeing and understanding what goes on at my brother’s school is really helpful: I can help him at home and I can also explain to my parents how the teacher helps Lélé.’



Activity 33: My very special friends, my allies

This activity will allow teachers to consider how pupils can help each other and what the consequences are for all.

- Download the resource '*Keep your mouth shut!*' from the section **Equal opportunities** in the Audio resources area on the TESSA website.
- Listen to this short play. What role does Efe play in relation to Ada?

Now look back on what Alassane, Idrissa and Sani wrote about their experiences at school in Case studies 14, 15 et 16.

- Make a list of the roles that other people can play in relation to pupils with special needs.
- If you have other examples of the roles that other people can play in class, write them down and describe or explain them.
- Which advantages and disadvantages for the teacher, for those receiving the support or for those providing it and for the whole class, do you see to another person working in the classroom alongside the teacher?

Before considering the part played by children, let's comment once again on the initiative taken by Idrissa's teacher who, in this particular case, made it possible for the pupil to have access to the exam papers by contacting the examination board. All the children, Efe, Mouhamed Lamine, the girl sitting next to Alassane, Idrissa's, and Sani's friends, all acted as an interpreter or intermediary between the teacher and the pupil who has special or specific needs. They too are great friends who help provide access to learning. This role is very important for the child with special or specific needs, but it is paramount to remember that support-children do have the right to education too and the teacher should check that the support they are giving to their classmates or close relatives does not interfere with their own learning and progress.

d. Support using innovative technology

New technologies can provide important support for pupils in the classroom.

Activity 34: Brainstorming new technologies

This activity will allow teachers to identify technologies available in class.

- Organise a brainstorm (See TESSA key resource '**Using mind maps and brainstorming to explore ideas**' on the TESSA website) and make a list of the new technologies that are or could be available in class.



Source: <http://anysnapshot.com>

Activity 35: Inventive and creative use of new technologies

In this activity teachers will use their knowledge of the pupils with special and specific needs and their own imagination to determine to what extent new technologies can be used as a support.

For each new technology you have chosen:

- write a minimum of one and a maximum of three examples of how this particular technology would support a range of pupils
- if there are certain specific challenges (excluding the cost) that require special arrangements, note down these challenges and suggestions to overcome them.

If you are working with other colleagues from or out of your educational establishment, share your ideas on ways to provide support to all pupils. Are they all realistic?

It is impossible to have an exhaustive list of existing possibilities, all the more because of the rapid evolution in technologies. But let's consider one or two examples.

Most of us possess a cellphone. While using text messages, a pupil who cannot speak can express his ideas rapidly or ask questions, and a deaf pupil can read instructions or any other short messages that a friend may send by SMS. If the cellphone has an SD card slot, it might be possible to use it to record instructions or texts for pupils with visual deficiencies, which the other classmates will have to read. However, it is likely that you will need to seek the school headteacher's permission and a discussion will need to take place with the whole class, to agree a Pupil Code of conduct concerning the use of cellphones in class.

Presumably less frequent among pupils, a laptop that can be shared in class is a precious tool. Word-processing software packages allow them to write, save, recall, correct and improve documents (with or without the teacher feedback): this makes it possible for all children to improve what they create. A laptop can help to present documents neatly and allow pupils with motor difficulties or who find it difficult to hand-write to be proud of their work. Some software packages allow users to write with images or to transform written text to an audio output. With some imagination and creativity, a teacher can use a laptop for a vast array of support at different levels.

There are other technologies – such as school radio – that offer a lot of sources that enable activities to be varied and differentiated and to motivate pupils.

One should be careful though! New technologies are not the universal panacea: remember that like any other resource, they should be used with good judgment.



Consult on the TESSA website

TESSA key resource: 'Using new technologies'

e. *Managing support strategies as a way to differentiate*



All forms of support mentioned above entail pedagogical scaffolding that help construct learning. As pupils gain confidence and develop their own learning strategies, that is, when pupils become more secure in their learning, the scaffolding can be removed progressively.

7.2 Forms of support for teachers

Adopting a different way of teaching is not an easy task. It is important that teachers identify support structure to assist them so that they really feel at ease to move towards a more inclusive way of teaching.

a. *Resources for professional development*

There are different resources that help teachers to develop their professional competences and bring support that is tailored, such as:

- TESSA Resources (<http://www.tessafrica.net>)
- Understanding and responding to children's needs in inclusive classrooms (UNESCO, 2001)
- The collection of booklets published by UNESCO (2015), Embracing Diversity: Toolkit for Creating Inclusive Learning-Friendly Environments
- Teaching children with disabilities in inclusive settings (UNESCO, 2014).

Presently there are very few MOOC (Massive Open Online Courses) on inclusive education in English, but things are changing rapidly, and we encourage you to continue searching online for developments in this area.

b. *The role of colleagues from school and other schools*

Teachers working alone can feel very isolated. Working in a team or a community of practice with other teachers will provide support.

Colleagues in the teachers' own establishment can be one of the most important forms of support. Learning together, overcoming challenges, and sharing and pooling ideas allows them to help each other in more challenging moments.

Activity 36: Real allies teachers can rely on

This activity will help teachers to identify some strategies to help each other in the school community.

- Read in this toolkit the three case studies about *Mrs Dalok's School Board Meeting*: **Case study 3** and **Case study 4** in the chapter 'A classroom for all in a school for all' and **Case study 12**.
- How do the six teachers help each other?
- What type of support did they identify for themselves to help them meet the different challenges that might arise from having new pupils with disabilities?
- Add other forms of support that you think would be useful within a school.

You will have noticed that Mrs Dalok and her colleagues have in effect formed a **network of support and expertise within the school**: they share ideas on everything that relates to the inclusion of children with disabilities. Be it for physical accessibility to different buildings or access to learning, they advise each other. They also share ideas on teaching materials. They agree to develop new competencies together by working together on the resources recommended by the headteacher. Thus, they form a community of practice.

You will also have noticed that they have identified a possible network of support and expertise by linking with other schools, in particular by asking for the advice of teachers from nearby specialised schools.

c. The community as a source of support

Networking outside the school does not limit itself to working with other schools. There are, in the wider community, organisations that are competent in the field of inclusion, for example, some non-governmental organisations (NGOs) that work in the field of inclusion and support learning.

It would be useful, and even advisable, for schools to work in close collaboration with health services, the police and any other structure that may bring some sort of support or information on alternative forms of support. Another idea is to identify key persons among parents or the community.

d. Another person in the class

In **Case study 16**, Sani is a community member who came and helped his younger brother Lélé. One can think of parents coming to help the teacher in class. It is crucial to prepare the role of these “‘other persons in the classroom’ with the greatest care. Sani did say that ‘the teacher tells him exactly what he should do and what he wants him to do with his brother’. This is very important for the child receiving the support: if the messages and the methods used by ‘the other person’ are in contradiction with what the teacher normally does, this will cause confusion in the mind of the child, who, instead of progressing, might regress because of the confusion caused. This implies that the teacher has to prepare the ‘support visitor’ so that his contributions are in line with the normal class work and methods, and aid to the child’s progression.

When there are several adults in class, it often causes pupils to be unsure of who is responsible for the class and some may take the opportunity to misbehave. Therefore it is the teacher’s responsibility to explain the role of each person and to give the appropriate terms of reference to all.

If they choose to invite members from the community into the classroom, whether or not there are children with disabilities in the class, the teachers could invite people with disabilities. These would be effective role models for children with disabilities present in the classroom, and allow all children to revise some preconceived ideas about people with disabilities not being able to play an important role in society.

8. Managing and including the opinion of the community

It may be that in some African countries both parents and the community fear contact with schools. However, frequent and planned contact between the school, the parents and the community will be beneficial for the well-being and education of all children.

At the end of this chapter, teachers will have considered strategies to:

- create relationships with the parents of pupils in their institutions
- sensitise the community to the work of the school
- network with parents, other schools and the community.

8.1 Creating bonds between the school and home

Parents, particularly those of children with disabilities, are often afraid to come to their child's school. However, if communications between parents and teachers were easier, teachers would learn to know the children and their needs better and quicker, which would allow children to progress more rapidly.

In **Case study 12: Mrs Dalok's School Board Meeting** in the chapter '**An appropriate support for all**', when talking about a pupil with a visual impairment Mrs Dalok, the headteacher says: 'We will meet his parents to have more information on his condition and to ask whether he might need notebooks with thicker lines for writing.' Meeting the parents will enable us to know the real extent of the disability and to be able to, if needs be, together with the parents, work towards a more rapid and precise diagnosis. This will help to put in place appropriate support structures for the pupil. If parents and teachers unite their efforts to support the progress of the child and value him, the child's self-esteem and self-confidence will be enhanced. Parents and teachers collaborate to strengthen specific aspects of the child's learning.

Developing strategies to create bonds between school and home is therefore an important aspect of the work of the school to support all children.

Activity 37: Creating bonds between school and home



This activity will allow teachers to start collecting ideas to improve communication between school and home.

Reflect on the following questions:

- What types of events attract parents and members of the community to the school and enable an exchange between them and the teachers?
- Can teachers visit parents and members of the community? In which circumstances?
- What do you, and what do teachers and other staff members do, so that parents are encouraged to come back over and over again to school?
- Who are the pupils whose parents do come and who are those whose parents never come? Are there particular reasons that prevent the latter from coming to school?
- What does the school do to encourage the parents that never come to start coming?

To attract parents to the school and to tell them about their children's progress, you have probably already thought of events like meetings and parents' evenings, open days, environment study activities or school projects involving the community. Have you thought that some parents might be invited to share their expertise and talents with the class? Some others will be interested in coming to learn new things with their children or even on their own or to use some equipment that the school has; for example, a sewing machine, a computer, etc.

8.2 Organising awareness campaigns

To convince parents that the school is for all children and that all children can learn together in the same environment, this may require creativity from teachers.

Case study 17: Ms Sajiv organises a show with her class

Ms Sajiv knew that in the neighbourhood of her school in Grand-Gaube, Mauritius, there were several children of school age but, for various reasons, they did not attend. She chatted with her colleagues about this and together they decided to set up a project and organise an event in collaboration with the community. Through this project, the community would be actively involved and hence would come to school to witness what pupils knew and could do.

Ms Sajiv looked through the TESSA Resources to find ideas that would help the teacher team to organise the event. In the primary subject resources, she selected Literacy, Module 2, Section 2, Case study 2, Life Skills, Module 1, Section 5, Case study 3. She felt Social Sciences and the Arts, Module 3, Section 3, Case studies and Activities 2 and 3 particularly useful and decided to follow this step by step with her Form IV. She decided to ask Sonna if she could provide the music for the dance show on her drum. Sonna was extremely surprised: What? Her? In her wheelchair? Be in a show with her classmates? After much hesitation, and a lot of encouragement from Ms Sajiv and her classmates, Sonna accepted, and the children began rehearsing.

Ms Sajiv also asked her pupils if there were relatives who could help to make the costumes and the set. Parents who had sewing machines volunteered for this work, and the local carpenter did help to make and paint the set with the help of the children after school.

Meanwhile, during their French lessons, pupils from Mr Benoit's Form III class worked on how posters could be designed to attract passers-by. They produced the posters on Ms Sajiv's class show and one evening after school, accompanied by their teacher, they went in groups to put their posters in the vicinity of the school inviting the local neighbourhood to come and watch the CM1 class dancing show.

Pupils in the CM2 class, together with their teacher, decided it would be important to invite the mayor and the town councillors and the president of the pupil mothers' association. So, they prepared letters of invitation and went to deliver them personally. They also decided to inform the local newspaper and ask if a reporter and a photographer could attend the show.

The great day arrived. All children and teachers were nervous, but everything went well. Sonna drummed away as the dancers danced away. They all received a standing ovation.

And the next day, all the children gathered around Sonna had their picture on the first page of the local newspaper, in front of the set they had built and in the costumes the community had created for them.

Activity 38: Other ideas for awareness campaigns

This activity will allow teachers to bring awareness to the work done in their school.

- Read **Case study 17** above, which shows how Ms Sajiv's school organised itself to sensitise the community to the work of the school.
- As you read the case study, make a list of all activities undertaken by the school to reach the community, and for each activity, write why and how it raised the community's awareness.
- Add other ideas that you have on this subject. For more inspiration, you can also read the TESSA resources that Ms Sajiv consulted to generate ideas.

8.3 Networking with parents, the community and other schools

Networking is a way to make the most out of all available knowledge and expertise to raise the community's awareness on different topics, encourage all parents to send their children to school, make them stay in school and reach their full potential. Networking avoids efforts being duplicated and has a more powerful and effective result.

Case study 18: The reflections of Mr Dogo, a teacher at a primary school in Mango, Togo

Here I am with a class of 58 pupils. I really need the help of parents, colleagues and other members of the community, including NGOs working in the area, so that I can succeed in my work. But where do I begin? Parents do not seem to be interested in the education of their children in this area, let alone the other members of the community. They do not come to parents' evening meetings. It would be good to find a way to induce them to come. ... Hmm. I think I'll start by doing two things.

First, I will see the head teacher so that we start a school correspondence program with outside schools. This will lead us to do environmental study visits. We will, with the children, write questionnaires on various topics, which we will distribute to parents and other community members. I think I saw a TESSA resource on how to write a questionnaire with pupils and how to get ready to use it. I'll get that. And I was told that the Apréli@ OER (<http://wiki.aprelia.org/tiki-index.php>) could help me find ideas on class training activities. That will be great!

In addition to discovering their culture for academic purposes, pupils will also discover their community beliefs, culture and opinions on a range of topics. And the community will be involved in the life of the school. This will be an opportunity for us teachers to be more united and to work together. And NGOs can also support us!

On the other hand, I think I should establish an Individual Educational Project (IEP) for young Nana, who has learning difficulties, and Boga, who is restless and aggressive. This is an opportunity to be more connected with their parents, who seem to believe that teachers detain all knowledge and leave their children to be educated at school. When I prepare the IEP, I will make sure to define clearly the role that the parent, guardian or community member will have to play in achieving the goals I will have identified for inclusion of Nana and Boga and in helping them to improve their learning. It will have to be short-term goals and the

implementation and evaluation will involve parents, myself, and why not the school?

Good! I will think over these ideas more deeply and make concrete proposals to my head teacher.

Activity 39: Improving relationships with the community

This activity will help teachers to identify ideas to reinforce the bond between the school and the community.

Mr Dogo, the teacher, wants to improve the relationship between the school and the community.

- Make a list of the strategies he has identified. Are these strategies suitable? Are they achievable?
- Can you think of other strategies? Add them!
- Do you have goals you want to achieve? Think of the key players that could help you to achieve these goals. Who are they?
- For each goal you have set, list the benefits and challenges they present and ways to address these challenges.

You can, if you wish, formulate your answers in a table and discuss them with your colleagues and other institutions.

In the chapter '[An appropriate support for all](#)' you will find more ideas on how the community can provide support in the classroom.

It is important that teachers help the pupils and the community to understand that good interactions contribute to the children's success in school. To connect the school and the community and to open the school to community life, teachers can plan and organise field trips. To prepare these field trips, teachers will work with pupils on developing questionnaires, surveys and the best ways for using them.

These field trips will not only be used for pedagogical purposes in class, but will also serve as a foundation for school correspondence among classes within the school, between classes in different schools and between schools in the region and beyond. What is collected during these outings can be used for writing a school paper/magazine. Both activities bring family and social life into the classroom and give pupils the desire and authentic reasons to write and speak about and share their written and spoken work with the community, not only through the school's newspaper but also during the open days at school or in the community.

The outings and the activities that ensue enable pupils to understand their world and members of their community. They provide an opportunity for community members to be involved and aware of the various topics related to school life, such as disabilities, and to be invited to the school. This allows each pupil to realise that the community is just as much part of the school, as the school is part of the community. Thus, the members of community may be requested at any time to intervene in class as resources to share knowledge, support, equipment, etc. and to solve difficulties.

Pupils with special educational needs (PSEN) have an even greater need for the community. The IEP is a favorable means to involve the latter. This tool is designed by teachers to help take better account of, to monitor and assess the PSEN's progress, in collaboration with their families. It allows teachers to measure each learner's potential and difficulties (impairments,

disabilities and barriers). It also helps to set a goal and achieve it through an action plan. This action plan is the responsibility of each: the teacher, the pupils, the parents or any other member of the community whose action can help pupils reach their full potential. It also sets a timeline to assess whether the goals have been achieved or not and whether to establish another action plan.

9. Auditing an inclusive teacher's behaviour

Using the questions below, think about your own behaviour as a teacher. Answer the questions honestly. Are there examples in the activities that your pupils do in class that clearly support your ideas?

Questions		Answers at the beginning of your training (date:)	Answers at the end of your training (date:)
•	Are you a positive or negative teacher in the way you treat your pupils?		
	How could you be more positive?		
•	Do you try to encourage or discourage your pupils?		
	How?		
	How can you encourage them even more?		
•	Do you make them happy when they learn?		
	How?		
•	Do you sometimes make them feel sad or angry, or evoke fear?		
	How?		
•	Which aspect of your teaching behaviour would you like to change?		
	How could you do that?		
	Who could support you?		
•	Which aspect of your pupils' social behaviour would you like to change?		
•	How could you help them achieve this change?		

Adapted from TESSA Resources, Life skills (Primary), Module 1, Section 4, Resource 1

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Additional Readings



1. This page from the American site *Teach* provides more information on **learning styles**: <http://teach.com/what/teachers-teach/learning-styles>



2. For further information on the **multiple intelligences theory**, Howard Gardner and the discussion of Gardner's theory can be found here:

<http://infed.org/mobi/howard-gardner-multiple-intelligences-and-education>



3. For further information on **peer tutoring**, consult the Education Endowment Foundation that reports on research on peer tutoring:

<https://educationendowmentfoundation.org.uk/evidence/teaching-learning-toolkit/peer-tutoring/>

The paper by Toni Riester-Wood, *Peers Supporting an Inclusive School Climate*, gives further information on peer support (beginning with the paragraph starting 'Peer support is a strategy that involves placing students in pairs or in small groups ...'):

<http://inclusiveschools.org/peers-supporting-an-inclusive-school-climate/>



4. For more information on **scaffolding learning**, see the article *Instructional Scaffolding* on Wikipedia (online): https://en.m.wikipedia.org/wiki/Instructional_scaffolding

Some of the links below are not mentioned in *Inclusive Education Toolkit*. However, they are useful if you wish for more information or support on some aspects of the work in the classroom and the inclusive school.

Inclusive Education

- Ainscow, M. and Miles, S. (2009) 'Developing inclusive education systems: how can we move policies forward?', chapter prepared for a book in Spanish to be edited by Climent Gine et al., (2009) [online]. Available at http://www.edu.am/DownloadFile/66eng-Mel_Ainscow.pdf (Accessed 23 March 2016).
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- *Ressources en Francais*, Hesperian Foundation Resources to provide support to children with special needs: <http://hesperian.org/books-and-resources/resources-in-french>.

(Guides Collection: for example, *Save the deaf children, Save the blind child, disabled child in the village, as well as other resources and health guides*).

- Lazarus, S., Daniels, B. and Engelbrecht, L. (1999) 'The inclusive school', in Engelbrecht, P., Green, L., Naicker, S. and Engelbrecht, L. (eds) *Inclusive Education in Action in South Africa*, Pretoria, Van Schaik.
- Mariga, L., McConkey, R. and Myezwa, H. (2014) *Inclusive Education in Low-Income Countries: A Resource Book for Teacher Educators, Parent Trainers and Community Development Workers* [online]. Available at [http://www.eenet.org.uk/resources/docs/Inclusive Education in Low Income Countries.pdf](http://www.eenet.org.uk/resources/docs/Inclusive_Education_in_Low_Income_Countries.pdf) (Accessed 23 March 2016).
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- UNESCO (n.d.) *Addressing Exclusion* [online]. Available at <http://www.unesco.org/new/en/education/themes/strengthening-education-systems/inclusive-education/> (Accessed 23 March 2016).
- UNESCO (n.d.) *Overcoming Exclusion* [online]. Available at <http://www.unesco.org/new/fr/education/themes/strengthening-education-systems/inclusive-education/> (Accessed 23 March 2016).
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Learning theories in English

The learning theories that underpin the pedagogical approach of TESSA materials are the socio-constructivist theories whose most famous protagonists are Vygotsky and Brunner. If you want to further your knowledge, there are many sites on the internet.

As starting points:

- Berkeley Graduate Division (n.d.) *Overview of Learning Theories* [online]. Available at <http://gsi.berkeley.edu/gsi-guide-contents/learning-theory-research/learning-overview/> (Accessed 23 March 2016).

A summary of three of the learning theories in table form, and a menu that leads into the various learning theories.

- Smith, M. K. (1999) 'Learning theory: models, product and process', *infed* [online]. Available at <http://infed.org/mobi/learning-theory-models-product-and-process/> (Accessed 24 March 2016).

Reflections on learning, reviews of theories and literature.

- Learning-Theories.com (2016) *Social Cognitive Learning Theory and Other Theories and Models* [online]. Available at <http://www.learning-theories.com/> (Accessed 24 March 2016).

A website run by a team of volunteers in New York and San Francisco to provide easy-to-understand, high-quality content. The content is constantly reviewed and added to.

- Wikipedia (2016) *Learning Theory (Education)* [online]. Available at [https://en.m.wikipedia.org/wiki/Learning_theory_\(education\)](https://en.m.wikipedia.org/wiki/Learning_theory_(education)) (Accessed 24 March 2016).

The bibliographies in these articles will give you leads to explore the theories you are interested in further.

Case studies in the Toolkit

Case study 1	Mr Dumee helps Marie regain her self-confidence in a Mauritius school
Case study 2	When mistakes give the best grades in a school in Niger
Case study 3	Mrs Dalok's school board meeting at a public primary school in Togo 1: Adapting the physical space within the school and the classroom
Case study 4	Mrs Dalok's school board meeting at a public primary school in Togo 2: Welcoming pupils with specific needs
Case study 5	Mr Sy organises group work in a school in Senegal
Case study 6	Mrs Touré's instructions in a primary school in Mali
Case study 7	Mr Auckbar uses the Creole language in his Form I class in a school in Port Louis in Mauritius
Case study 8	Teachers adapt activities to meet some of their pupils' needs
Case study 8a	Mr Sadio adapts a science lesson for Hadiatou in a primary school in Guinea
Case study 8b	The day Gilou got 10 out of 10 in arithmetic, at a school in Togo
Case study 8c	Mr Sarré, a teacher in Senegal, talks about the spelling test he is preparing for Antoinette
Case study 8d	Talented children have special needs too, in a school in Mali
Case study 9	A group of student teachers create a resource centre at the NTI Regional Centre in Kaduna, Nigeria
Case study 10	The day Gilou got 10 out of 10 in arithmetic, in a school in Togo
Case study 11	Constructive feedback that will help improve the answers to a class test in a primary school in Ghana
Case study 12	The advice from Mrs Dalok's school board at a public primary school in Togo 3: Support during class lessons
Case study 13	The results of a group of teachers' brainstorming session on the advantages of using group work in the classroom
Case study 14	Alassane, a profoundly deaf young man from Senegal, shares some of his experiences at school
Case study 15	Idrissa, a child with albinism, talks of the support received during his school years in Zambia
Case study 16	Lélé has a slight mental deficiency. He is in CE2 in a state primary school in Boukoki in Niger. Sani, his brother, talks about what he does in his free time
Case study 17	Ms Sajiv organises a show with her class in a school in Mauritius
Case study 18	The reflections of Mr Dogo, a teacher at a primary school in Mango, Togo

Activities in the Toolkit

Activity 1	Getting to know the TESSA resources and active learning
Activity 2	What do different schools do to allow all children to learn?
Activity 3	How to help Marie?
Activity 4	Avoiding words that hurt
Activity 5	A class where the teacher's behaviour enables everyone to feel included
Activity 6	How to help pupils appreciate and respect their similarities and differences
Activity 7	How to develop community life
Activity 8	Nothing impossible
Activity 9	The role of social environment on the pupils
Activity 10	Twelve attitudes of the inclusive teacher
Activity 11	Promoting access for all children
Activity 12	Meeting the needs of pupils with specific needs
Activity 13	When the behaviours of pupils promote inclusion
Activity 14	Good inclusive classroom practices
Activity 15	Creating a positive atmosphere in your classroom
Activity 16	Twelve attitudes of the inclusive teacher
Activity 17	Walking encyclopedia
Activity 18	Strategies to help children understand explanations
Activity 19	Strategies to help children understand and memorise technical terms
Activity 20	Lesson planning form
Activity 21	One step at a time
Activity 22	Activities for all
Activity 23	Games to learn
Activity 24	Activities with varied results
Activity 25	Appropriate resources
Activity 26	Selecting resources that convey a positive image of people in vulnerable minority groups
Activity 27	What aspects of the preparation and teaching can we adjust to ensure differentiation?
Activity 28	A lesson planning form
Activity 29	Assessment, a learning tool
Activity 30	Assessments: when and why?
Activity 31	Pupil support strategies integrated to the teaching
Activity 32	Advantages of using group work
Activity 33	My very special friends, my allies
Activity 34	Brainstorming new technologies
Activity 35	Inventive and creative use of new technologies
Activity 36	Real allies teachers can rely on
Activity 37	Creating bonds between school and home
Activity 38	Other ideas for awareness campaigns
Activity 39	Improving relationships with the community

Attribution of illustrations

Illustration	Attribution
Figure 1: The different types of educational systems	Mr G. Dart
Designs features	Adapted from photos belonging to one of the authors
Poster	Ms M. Deane, adaptation of a personal photograph
Diagram 2: Demotivation spiral	Adapted from an original idea by one of the authors for the article: Deane, M. (1992) 'Teaching modern languages to pupils with special educational needs? With pleasure!', <i>The Language Learning Journal</i> , vol. 6, no. 1, pp. 43–7.
Illustration of school subjects	Source: ILEA, Equal Opportunity Clipart folder
Resource Centre at the NTI Regional Centre, Kaduna, Nigeria	Mr M. Bird (2004), personal photography
Figure 3: Integration of assessment into the learning process	<p>TESSA: <i>working with teachers, trainer's Guide</i>, p. 23 license: Creative Commons Attribution/Share-Alike 3.0 http://tessafrica.net/files/tessafrica/TESSA_Guide-formateur_Travailler-avec-enseignants.pdf</p> <p>Adaptation: unchanged graph, changed captions</p>
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- Michèle Deane, TESSA, United Kingdom
- Amivi-Cra Komlan, Training Directorate (Direction des Formations), University of Lomé, Togo.

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This Toolkit is an Open Educational Resource (OER). After reading and using this toolkit, your feedback and comments are welcome.

Contact us at:

TESSA Programme
The Open University
Walton Hall
Milton Keynes
MK7 6AA
United Kingdom
+44 (0) 1908 652 391
e-mail: fels-tessa@open.ac.uk

Direction des Formations du Togo
Université de Lomé
BP 1306, Lomé
Togo
+228 22 25 30 45

For additional information on the pedagogical tools developed by TESSA (Teacher Education in Sub-Saharan Africa), please use the following links:

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