

# Science Assessment Grid : My Body : Year 1

My Body																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Can children identify various body parts?																			
	Can children name various body parts?																			
	Can children label various body parts?																			
Lesson 2	Can children name various body parts?																			
	Can children identify where various body parts are?																			
	Can children describe which body parts are used for different activities?																			
Lesson 3	Do children know what the five senses are?																			
	Do children know that eyes are used for seeing things?																			
	Can children use their eyes to look carefully at pictures and objects?																			
Lesson 4	Can children name the five senses?																			
	Do children know that our whole bodies can use the sense of touch?																			
	Can children describe how a variety objects feel using appropriate vocabulary?																			
Lesson 5	Do children know what the five senses are?																			
	Do children know that the nose is used for the sense of smell?																			
	Can children identify use their noses to identify smells?																			
Lesson 6	Do children know that we use our mouths to taste things?																			
	Can children use appropriate vocabulary to describe different flavours?																			
	Can children express preferences about foods they like and dislike?																			
Lesson 7	Can children name the five senses?																			
	Can children identify which part of the body each sense uses?																			
	Can children listen carefully to sounds to identify them?																			

# Science Assessment Grid : Everyday Materials : Year 1

Everyday Materials																				
Group:		Year:		Term:																
Science																				
Lesson 1	Do children know what a material is?																			
	Can children identify a variety of common materials?																			
	Do children know where some materials come from?																			
Lesson 2	Can children identify a variety of common materials?																			
	Can children distinguish between an object and the material from which it is made?																			
	Can children identify which material a variety of common objects are made from?																			
Lesson 3	Can children use a variety of appropriate words to describe what various materials are like?																			
	Can children match materials to various properties?																			
	Can children group objects and materials according to their properties?																			
Lesson 4	Can children identify and describe a variety of materials?																			
	Can children suggest why a material has been chosen for a particular purpose?																			
	Can children identify materials that are inappropriate for certain uses and offer alternatives?																			
Lesson 5	Can children make suggestions for how to test which materials are waterproof and which aren't?																			
	Can children test a variety of materials to see which are waterproof and which aren't?																			
	Can children draw conclusions from their experiment?																			
Lesson 6	Can children identify a variety of everyday materials and describe their properties?																			
	Can children distinguish an object from the material from which it is made?																			
	Can children identify materials that are suitable for a particular purpose?																			

# Science Assessment Grid : Identifying Plants : Year 1

Identifying Plants																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Can the children identify plants?																			
	Can the children describe the features of different plants?																			
	Can the children identify similarities and differences between plants?																			
Lesson 2	Can the children name garden plants?																			
	Can the children describe the features of different garden plants?																			
	Can the children identify similarities and differences between plants?																			
Lesson 3	Can the children name wild plants?																			
	Can the children describe the features of different wild plants?																			
	Can the children identify similarities and differences between plants?																			
Lesson 4	Can the children name some trees?																			
	Can the children describe the features of different trees?																			
	Can the children use the terms 'evergreen' and 'deciduous'?																			
Lesson 5	Can the children name the main parts of a plant?																			
	Do the children know parts of the plant have different functions?																			
	Can the children identify similarities and differences between the parts of different plants?																			
Lesson 6	Do children know that plants grow?																			
	Can children name the main parts of a plant?																			
	Can children describe and make observations about how plants change?																			

# Science Assessment Grid : Identifying Animals : Year 1

Identifying Animals																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
<b>Science</b>																				
Lesson 1	Can the children identify various pets?																			
	Can the children name various pets?																			
	Can the children describe various pets?																			
Lesson 2	Can the children identify various mammals?																			
	Can the children name various mammals?																			
	Can the children compare various mammals?																			
Lesson 3	Can the children identify and name various birds?																			
	Can the children identify and name various reptiles?																			
	Can the children compare reptiles and birds?																			
Lesson 4	Can the children identify and name various fish?																			
	Can the children identify and name various amphibians?																			
	Can the children compare fish and amphibians?																			
Lesson 5	Do the children understand different animals eat different things?																			
	Can the children classify animals by what they eat?																			
	Can the children use the terms carnivore, herbivore and omnivore?																			
Lesson 6	Can the children identify what an animal needs?																			
	Can the children explain why it is important to take care of an animal?																			
	Do the children understand different animals need different things?																			
Lesson 7	Can the children identify and name a variety of animals?																			
	Can the children record information in a table or a graph?																			
	Can the children answer questions about their data?																			

# Science Assessment Grid : Seasonal Changes : Year 1

Seasonal Changes																			
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>															
Science																			
Lesson 1	Can the children name the seasons?																		
	Do children know that weather changes for each season?																		
	Do children know that weather affects human activity?																		
Lesson 2	Can the children identify the seasons?																		
	Can the children say how the seasons differ?																		
	Do children know any features of the seasons?																		
Lesson 3	Can the children say how the seasons differ?																		
	Can the children say how the different seasons affect animal behaviour?																		
	Can children explain the terms 'adapt' and 'hibernate'?																		
Lesson 4	Can the children explain how the seasons affect what we wear?																		
	Can the children explain how the seasons affect what we do?																		
	Do children understand that different food grows in different seasons?																		
Lesson 5	Can the children identify which season has the shortest days?																		
	Can the children identify which season has the longest days?																		
	Do the children know the sun rises in the morning and sets in the evening?																		
Lesson 6	Can children gather weather data over a period of time?																		
	Can children use data to create a pictogram?																		
	Can children answer questions about their data?																		



# Science Assessment Grid : Exploring Everyday Materials : Year 2



Exploring Everyday Materials																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Can children identify and name a variety of different materials?																			
	Can children organise a variety of materials into groups according to given criteria?																			
	Can children organise a variety of materials into groups according to their own criteria?																			
Lesson 2	Can children recognise that some materials are naturally occurring and some are not?																			
	Can children name some naturally occurring materials?																			
	Can children identify objects that are made from naturally occurring materials?																			
Lesson 3	Do children know that some materials change shape when you bend, squash, stretch or twist them?																			
	Can children identify some materials that can change shape temporarily?																			
	Can children identify some materials that cannot change shape at all?																			
Lesson 4	Do children know that metal and plastic are different materials?																			
	Can children identify some different things metal and plastic are used for?																			
	Can children explain why a particular material is chosen to be made into an object?																			
Lesson 5	Do the children know that paper and cardboard are made from wood?																			
	Can the children identify features of wood, cardboard and paper?																			
	Can children explain the advantages and disadvantages of using different wood products?																			
Lesson 6	Do the children know that different materials can be used to make the same product?																			
	Can the children identify which materials have been used in a product?																			
	Can children explain how the purpose of a product might affect the material that is used?																			
Lesson 7	Do the children know that products are improved and changed over time?																			
	Can the children identify the different ways materials have been used?																			
	Can children explain why their invention is an improvement on the original product?																			

# Science Assessment Grid : Living in Habitats : Year 2

<h2 style="margin: 0;">Living in Habitats</h2>																				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid #f9a825; border-radius: 10px; padding: 5px; width: 15%;">Group:</div> <div style="border: 1px solid #f9a825; border-radius: 10px; padding: 5px; width: 15%;">Year:</div> <div style="border: 1px solid #f9a825; border-radius: 10px; padding: 5px; width: 15%;">Term:</div> </div>																				
<b>Science</b>																				
<b>Lesson 1</b>	Can children identify living things?																			
	Can children identify living things that have died?																			
	Can children identify things that have never been alive?																			
<b>Lesson 2</b>	Do children know what a habitat is?																			
	Do children know that animals and plants need to live in habitats they are suited to?																			
	Can children match animals and plants to suitable habitats?																			
<b>Lesson 3</b>	Can children identify some animals in a seaside habitat?																			
	Can children identify some plants in a seaside habitat?																			
	Do children recognise how animals and plants in a seaside habitat are linked together?																			
<b>Lesson 4</b>	Can children name some different types of habitats?																			
	Can children describe different types of habitats?																			
	Can children compare habitats and the animals and plants that live in them?																			
<b>Lesson 5</b>	Do children know what a micro-habitat is?																			
	Can children name some micro-habitats?																			
	Can children identify and describe some of the animals that live in micro-habitats?																			
<b>Lesson 6</b>	Do children know that animals and plants in a habitat are dependent on each other for food?																			
	Can children construct a simple food chain?																			
	Can children construct food chains that include humans?																			

# Science Assessment Grid : Growing Plants : Year 2

Growing Plants																			
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>															
<b>Science</b>																			
<b>Lesson 1</b>	Do the children know seeds grow into plants?																		
	Can the children name any plants that grow from seeds?																		
	Do the children understand seed packets tell us what seeds need to grow?																		
<b>Lesson 2</b>	Do the children know plants grow from seeds and bulbs?																		
	Can the children name any plants that grow from bulbs?																		
	Can the children explain why some plants need to grow from a bulb?																		
<b>Lesson 3</b>	Can children explain why seeds need to be dispersed?																		
	Can children give suggestions as to why fruits have so many seeds?																		
	Can children describe some of the ways in which seeds can be dispersed?																		
<b>Lesson 4</b>	Can children ask questions that can be investigated scientifically and suggest how to answer them?																		
	Can children plan and carry out an investigation, making sure it is a fair test?																		
	Can children evaluate their results and draw conclusions?																		
<b>Lesson 5</b>	Can the children explain how their plant has changed over time?																		
	Can the children use scientific words to explain each stage of the plants development? For example 'germination', 'growth', 'leaves', 'stem', 'shoots', 'roots'?																		
	Do the children understand what a plant needs to grow?																		

# Science Assessment Grid : Super Scientists : Year 2

<h2 style="margin: 0;">Super Scientists</h2>																			
<b>Science</b>																			
Lesson 1	Can the children use their own knowledge to make predictions?																		
	Can the children observe patterns?																		
	Can the children talk about what they have found out?																		
Lesson 2	Can the children use their own experiences to make predictions?																		
	Can the children observe patterns?																		
	Can the children talk about what they have found out?																		
Lesson 3	Can the children use their own experiences to make predictions?																		
	Can the children ask questions and make observations?																		
	Can the children talk about what they have found out?																		
Lesson 4	Can the children use their own experiences to make predictions?																		
	Can the children observe patterns?																		
	Can the children talk about what they have found out?																		
Lesson 5	Can the children use their own experiences to make predictions?																		
	Can the children observe patterns?																		
	Can the children talk about what they have found out?																		
Lesson 6	Can the children use their own experiences to make predictions?																		
	Can the children observe patterns?																		
	Can the children talk about what they have found out?																		
Lesson 7	Can the children use their own experiences to make predictions?																		
	Can the children observe patterns?																		
	Can the children talk about what they have found out?																		

# Science Assessment Grid : Rocks, Fossils and Soils : Year 3

Rocks, Fossils and Soils																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Do children know that rocks are used for a variety of purposes?																			
	Can children identify some common rocks?																			
	Can children identify rocks that are naturally occurring and those that are man-made?																			
Lesson 2	Can children suggest ways of grouping rocks according to their characteristics?																			
	Can children observe and compare rocks, and put them into different categories?																			
	Can children justify their choices and explain their decisions?																			
Lesson 3	Do children know what the terms 'erosion' and 'permeable' mean?																			
	Can children plan and carry out an experiment to compare rocks based on certain characteristics?																			
	Can children evaluate their results and draw conclusions?																			
Lesson 4	Can children use a variety of sources to find out information about rocks and their uses?																			
	Can children organise the information they have found out?																			
	Can children present the information they have found out clearly?																			
Lesson 5	Do children know that soil is made up of rocks and decaying organic matter?																			
	Do children know that there are different types of soil?																			
	Do children know that there are different layers of soil?																			
Lesson 6	Do children know that rocks move in a continuous cycle?																			
	Do children know what a fossil is?																			
	Can children explain how fossils are formed?																			
Lesson 7	Can children describe how fossils are formed?																			
	Can children identify a variety of common fossils?																			
	Do children know where fossils are more likely to be found and why?																			



# Science Assessment Grid : How Plants Grow : Year 3



How Plants Grow																			
Group: <input type="text"/>		Year: <input type="text"/>		Term: <input type="text"/>															
Science																			
Lesson 1	Can children name the main parts of flowering plants?																		
	Can children explain the function of roots?																		
	Can children record findings and draw conclusions?																		
Lesson 2	Can children explain where plants get their water from?																		
	Can children name the parts of the plant that transport water?																		
	Can children plan and carry out simple investigations?																		
	Can children draw simple conclusions?																		
Lesson 3	Can children say what plants need to produce their own food?																		
	Can children explain the function of leaves in flowering plants?																		
	Can children start to explain some stages in the life cycle of flowering plants?																		
Lesson 4	Can children name the main parts of flowers?																		
	Can children describe the functions of the main parts of flowers?																		
	Are children able to describe one of the ways in which flowering plants reproduce?																		
	Do children know how and where seeds are formed in flowering plants?																		
Lesson 5	Can children explain why flowering plants need to disperse their seeds?																		
	Can children describe some ways in which seeds are dispersed?																		
	Can children identify how seeds are dispersed based on their appearance?																		
Lesson 6	Can children name the parts of a seed and describe their functions?																		
	Can children identify the parts of a seed?																		
	Do children know why seeds are an important food source for animals?																		

# Science Assessment Grid : Health and Movement : Year 3



Health and Movement																			
Group: <input type="text"/>		Year: <input type="text"/>		Term: <input type="text"/>															
Science																			
Lesson 1	Do children know that humans get nutrition from what they eat?																		
	Can children identify and group a variety of foods?																		
	Can children recognise foods for growth and foods for energy?																		
Lesson 2	Do children know that humans need to eat to grow and move?																		
	Do children understand what is meant by the term 'balanced diet'?																		
	Can children identify and describe which food groups we should eat most of and which food groups we should eat least of?																		
Lesson 3	Do children know that different animals have different diets?																		
	Can children use secondary sources to find out about the diets of different animals?																		
	Can children recognise whether an animal is a herbivore, carnivore or omnivore?																		
Lesson 4	Can children pose questions that can be investigated?																		
	Can children gather data systematically?																		
	Can children present and evaluate the results of an investigation?																		
Lesson 5	Do children know that animals with a skeleton are called vertebrates?																		
	Can children identify different bones in the human skeleton?																		
	Can children compare bones in animal and human skeletons?																		
Lesson 6	Do children know the difference between vertebrates and invertebrates?																		
	Do children know that internal skeletons support and protect the body?																		
	Do children know how the bodies of invertebrates support and protect them?																		
Lesson 7	Do children know that muscles help us move?																		
	Do children know that muscles work in pairs to move different parts of the body?																		
	Do children know that some animals have strong muscles for particular purposes?																		

# Science Assessment Grid : Forces and Magnets : Year 3



Forces and Magnets																				
Group: <input type="text"/>		Year: <input type="text"/>		Term: <input type="text"/>																
<b>Science</b>																				
<b>Lesson 1</b>	Can children explain what a force is?																			
	Do children know that some forces need contact between two objects?																			
	Can children identify pushes and pulls and explain the forces in action?																			
<b>Lesson 2</b>	Do children know that forces can be measured in newtons using a force meter?																			
	Can children set up and carry out an investigation to explore how objects move on different surfaces?																			
	Can children draw conclusions from their observations?																			
<b>Lesson 3</b>	Do children understand that a magnet does not need contact with an object for the force to be applied?																			
	Can children explain what happens when the opposite poles of two magnets are placed close together?																			
	Can children explain what happens when the same poles of two magnets are placed close together?																			
<b>Lesson 4</b>	Can children make and test predictions about whether materials are magnetic or not?																			
	Can children make careful observations?																			
	Can children group objects on the basis of whether or not they are magnetic?																			
<b>Lesson 5</b>	Can children name some uses for magnets?																			
	Are children able to suggest ways in which magnets can be used to solve common problems?																			
	Can children briefly describe how a compass works?																			



# Science Assessment Grid : Changing Sound : Year 4

Changing Sound																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Do children know that sounds are made when objects or materials vibrate?																			
	Can children make careful observations?																			
	Can children draw conclusions about sounds from their observations?																			
Lesson 2	Do children know that vibrations from sound sources travel through different materials to the ear?																			
	Do children know sound can travel through solids, liquids and gases?																			
	Do children know that some materials allow sound to pass through them more easily than others?																			
Lesson 3	Do children know that sounds get fainter as the distance from the sound source increases?																			
	Can children carry out an investigation to explore what happens to sound as it gets further away?																			
	Can children draw conclusions and describe what they have found out?																			
Lesson 4	Can children name some of the reasons why preventing sound to travel is sometimes important?																			
	Can children plan a test to measure how well different materials muffle sound?																			
	Can children draw conclusions about which materials muffle sound the best?																			
Lesson 5	Do children know that the term 'pitch' describes how high or low a sound is?																			
	Can children recognise changes in pitch and identify high and low notes?																			
	Can children investigate different instruments and make generalisations about pitch?																			
Lesson 6	Do children know that the pitch of a stringed instrument depends on the length, thickness and tightness of the string?																			
	Can children suggest ways of testing what happens to the pitch of a string when you alter the length, tightness and thickness?																			
	Can children draw conclusions from their observations?																			
Lesson 7	Do children know that sounds can be made by air vibrating?																			
	Can children suggest ways to change the pitch of a sound made by air?																			
	Can children describe how to change the length of the air column vibrating to change pitch?																			



# Science Assessment Grid : Eating and Digestion : Year 4

<h2>Eating and Digestion</h2>																				
<b>Science</b>																				
<b>Lesson 1</b>	Can children explain why all animals, including humans, need to eat?																			
	Can children identify animals that are carnivores, herbivores and omnivores?																			
	Can children classify animals according to their diet?																			
<b>Lesson 2</b>	Do children know what the terms 'producer' and 'consumer' mean in relation to food chains?																			
	Can children interpret food chains?																			
	Can children construct food chains?																			
<b>Lesson 3</b>	Can children identify the different types of human teeth?																			
	Do children know that the shape of teeth make them useful for different purposes?																			
	Can children suggest reasons why animals might have different types of teeth?																			
<b>Lesson 4</b>	Do children know that humans have two sets of teeth during their lifetime?																			
	Can children explain why it is important to look after teeth?																			
	Can children describe ways in which people can make sure their teeth stay healthy?																			
<b>Lesson 5</b>	Can children ask relevant questions?																			
	Can children use different sources of information to find the answers to questions they have asked?																			
	Can children name some of the organs associated with the digestive system?																			
<b>Lesson 6</b>	Can children name the organs associated with the digestive system?																			
	Can children describe the basic functions of the organs associated with the digestive system?																			
	Can children describe the process of digesting food?																			

# Circuits and Conductors Assessment Grid : Year 4 : Science



Circuits and Conductors																			
Group: <input type="text"/>		Year: <input type="text"/>		Term: <input type="text"/>															
Science																			
<b>Lesson 1</b>	Are children able to identify common appliances powered by electricity?																		
	Can children say what we use electricity for and why it is important?																		
	Are children able to describe electricity as a form of energy?																		
<b>Lesson 2</b>	Can children explain some of the dangers of electricity?																		
	Are children able to explain the difference between battery and mains electricity?																		
	Are children able to say how they can stay safe around electricity?																		
<b>Lesson 3</b>	Can children label the components of a circuit?																		
	Are children able to construct simple circuits?																		
	Can children make observations about simple circuits?																		
<b>Lesson 4</b>	Can children set up a fair test?																		
	Can children make predictions about whether a material is a conductor or insulator?																		
	Are children able to say whether a material is a conductor or insulator?																		
<b>Lesson 5</b>	Can children create a simple circuit with a switch?																		
	Are children able to create a simple, functioning device which uses electricity?																		
	Can children troubleshoot and solve problems with their circuit?																		



# Science Assessment Grid : Earth and Space : Year 5



Earth and Space																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Can children describe the Sun, Earth and Moon's shape as roughly spherical?																			
	Are children able to clearly define the word orbit?																			
	Can children describe the Sun, Earth and Moon's movements in relation to one another?																			
Lesson 2	Can children explain how the rotation of Earth on its axis creates day and night?																			
	Can children explain the apparent movement of the Sun across the sky?																			
	Can children identify how long it takes Earth to make a full rotation?																			
Lesson 3	Can children describe the different changes that happen between seasons?																			
	Can children use Earth's tilted axis to explain how seasons are created?																			
	Can children describe the differences in seasons between two locations in opposite hemispheres?																			
Lesson 4	Can children name the different phases of the Moon?																			
	Are children able to order the phases of the Moon?																			
	Can children describe how the phases of the Moon are created?																			
Lesson 5	Are children able to define what a solar system is?																			
	Can children explain the differences between geo- and heliocentric models of the solar system are?																			
	Can children compare the ideas of the solar system we know now, with those held by Ptolemy and Copernicus?																			
Lesson 6	Can children name the eight planets in our solar system?																			
	Are children able to name the eight planets in order from nearest to farthest from the Sun?																			
	Can children use researching skills to find relevant information on a topic?																			

# Science Assessment Grid : Life Cycles : Year 5

Life Cycles																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Can children name and describe the functions of the main parts of flowers?																			
	Can children describe the life process of sexual reproduction in flowering plants?																			
	Can children identify and label the parts of flowers?																			
Lesson 2	Do children understand what asexual reproduction is?																			
	Can children explain some ways in which plants reproduce asexually?																			
	Can children describe the life cycles of some asexually reproducing plants?																			
Lesson 3	Can children define some of the ways in which sexual reproduction in animals occurs?																			
	Can children compare species that reproduce in different ways and consider reasons why?																			
	Can children record data using scientific graphs and/or diagrams?																			
Lesson 4	Can children describe the conditions in a local environment as well as other environments around the world?																			
	Can children establish causal links between the life cycle of animals and their environment?																			
	Can children compare the life cycles of animals living in different environments?																			
Lesson 5	Using scientific vocabulary, can children explain some of the ways in which different animals reproduce?																			
	Can children compare the life cycles and methods of reproduction of different animals?																			
	Are children able to give reasons for the differences between life cycles of different animals?																			
Lesson 6	Do children understand what naturalists do?																			
	Can they explain why the work of naturalists is important?																			
	Can children give reasons why secondary sources of scientific evidence cannot always be trusted?																			

# Science Assessment Grid : Changes and Reproduction : Year 5

Changes and Reproduction																				
Group:		Year:		Term:																
Science																				
Lesson 1	Can children name the main stages in the life cycle of humans?																			
	Can children correctly order the main stages?																			
	Can children broadly define the age ranges for each of the main stages?																			
	Can children explain some of the physical changes that occur at different stages in the life cycle of humans?																			
Lesson 2	Can children describe the main stages of gestation in humans?																			
	Can children explain how embryos and fetuses grow and develop in the womb?																			
	Can children define and use key vocabulary to describe gestation in humans?																			
Lesson 3	Can children describe the needs of a newborn baby?																			
	Can they compare the needs of a human baby to those of other mammals?																			
	Can they describe the stages of development that occur during childhood?																			
	Can they describe how the needs of humans change at different points in their life cycle?																			
Lesson 4	Can children explain the initial changes that occur inside and outside the body at the start of puberty?																			
	Can children correctly identify the parts of the body that change during puberty?																			
	Can children explain in simple terms the role played by hormones in the growth of humans and other animals?																			
Lesson 5	Can children remember some of the initial changes during puberty?																			
	Can children explain some of the ways in which boys' and girls' bodies start to differ during puberty?																			
	Can children suggest some ways in which teenagers can look after themselves and stay fit and healthy during puberty?																			
Lesson 6	Can children explain some ways in which the body changes during old age?																			
	Can children describe some ways in which older people can stay fit and healthy?																			

# Science Assessment Grid : Forces in Action : Year 5



Forces in Action																			
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>															
Science																			
Lesson 1	Can children explain why objects fall towards the centre of the Earth?																		
	Do children understand the causal link between the mass of an object and the amount of force with which gravity acts on it?																		
Lesson 2	Can children define friction?																		
	Do children know that friction can be useful and give some examples?																		
	Can children carry out an investigation, making sure that it is a fair test?																		
Lesson 3	Do children know that air resistance is a force that slows objects moving through the air?																		
	Can children plan, carry out and assess experiments to investigate air resistance?																		
	Can children draw conclusions from their investigations?																		
Lesson 4	Do children know that water resistance slows an object moving through water?																		
	Can children plan and carry out an experiment, making sure it is a fair test?																		
	Can children identify trends in results and draw conclusions?																		
Lesson 5	Do children recognise that levers and pulleys allow a small force to have a greater effect?																		
	Can children make and improve models that use pulleys or levers?																		
	Can children explore the effects of changing parts of their model?																		
Lesson 6	Do children recognise that the speed or amount of force transmitted is affected by changing the size of the gears in a transmission?																		
	Can children make transmissions where two or more gears work together?																		

# Science Assessment Grid : Healthy Bodies : Year 6



Healthy Bodies																				
Group: <input type="text"/>		Year: <input type="text"/>		Term: <input type="text"/>																
Science																				
Lesson 1	Can children describe some examples of how doctors in the past tested ideas about food and diet?																			
	Do children know how these tests in the past have affected our ideas about healthy eating today?																			
	Do children know that in order to be healthy we need a balanced diet which includes different food groups?																			
Lesson 2	Can children name some of the different food groups?																			
	Do children know which types of foods are included in different food groups?																			
	Do children know why each different food group is important for a healthy lifestyle?																			
Lesson 3	Do children know that the circulatory system transports blood and nutrients to the different parts of the body?																			
	Can children describe how the circulatory system works?																			
	Can children record their own resting pulse rate accurately?																			
Lesson 4	Can children describe the functions of the heart?																			
	Can children investigate how the heart is affected through exercise and draw conclusions?																			
	Do children know that hearts need to have exercise to stay healthy?																			
Lesson 5	Do children know that muscles work in pairs to move different parts of the skeleton?																			
	Do children know that when muscles exercise they need an increased flow of blood because the muscles are working harder?																			
	Can children explain why their pulse rate increases when they exercise?																			
Lesson 6	Do children know that drugs affect the way the mind or body works?																			
	Do children know that some drugs are beneficial even though they may have unpleasant side-effects?																			
	Are children aware of some of the negative effects of tobacco and alcohol on the body?																			
Lesson 7	Can children describe the impact that diet has on the body?																			
	Can children describe why exercise is important for a healthy lifestyle?																			
	Can children describe the harmful effects some drugs can have on the body?																			

# Science Assessment Grid : Seeing Light : Year 6



Seeing Light																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Are children able to identify light sources and describe how light travels?																			
	Can children use their knowledge of how light travels to explain how a shadow is created?																			
	Can children explain why a shadow takes the shape of the object casting it?																			
Lesson 2	Can children give a clear, scientific description of translucent, transparent and opaque and how this property affects an object's shadow?																			
	Are children able to describe and explain how an object's shadow can be manipulated?																			
	Can children make informed conclusions from their investigations?																			
Lesson 3	Can children name the parts of the eye?																			
	Can children describe what the main parts of the eye do to help us see?																			
	Do children understand that without light, we cannot see?																			
Lesson 4	Can children name the parts of the eye and briefly describe what the main parts do?																			
	Can children complete a diagram to show how light allows us to see an object?																			
	Do children understand that all objects reflect an amount of light?																			
Lesson 5	Can children give a scientific definition of the word 'reflect'?																			
	Do children understand that the angle of incidence is equal to the angle of reflection?																			
	Can children think of examples of how angled mirrors can be used in different ways?																			
Lesson 6	Can children give a brief description of what happens to light when it's refracted?																			
	Are children able to differentiated between if an object will reflect or refract light?																			
	Can children give some examples of objects which use refraction in a useful way?																			
Lesson 7	Do children understand that white light can be split into a spectrum of seven colours?																			
	Are children able to name the seven colours that light can be split into?																			
	Can children explain how the light is refracted based on the colours' wavelengths?																			

# Science Assessment Grid : Classifying Organisms : Year 6

Classifying Organisms																				
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>																
Science																				
Lesson 1	Do children know that organisms can be grouped according to their characteristics?																			
	Can children describe the characteristics of different classifications of animals?																			
	Can children match animals to their group according to their characteristics?																			
Lesson 2	Can children classify organisms according to broad characteristics?																			
	Can children find ways to distinguish between organisms that are similar?																			
	Can children use appropriate scientific vocabulary to describe organisms and their features?																			
Lesson 3	Do children know that plants can be sorted into groups according to their characteristics?																			
	Can children explain the difference between vascular and non-vascular plants?																			
	Can children explain the difference between flowering and non-flowering plants?																			
Lesson 4	Do children know who Carl Linnaeus is and how he contributed to science?																			
	Do children know that animals can be assigned to specific groups based on their characteristics?																			
	Can children give reasons for why classification systems are important?																			
Lesson 5	Do children know what micro-organisms are?																			
	Do children know that micro-organisms can be classified into groups?																			
	Do children understand that some micro-organisms can be harmful and others can be helpful?																			
Lesson 6	Can children identify a variety of different organisms found in their local environment?																			
	Can children classify a variety of organisms appropriately?																			
	Can children use a variety of sources of information to identify organisms they are unfamiliar with?																			



