

SCIENCE

Structuring Competencies in a Definitive Budget of Work

Grade	THREE			
Science Discipline/Component	Force, Motion, and Energy			
Grade Level Standard	At the end of Grade 3, learners can describe the functions of the different parts of the body and things that make up their surroundings -- rocks and soil, plants and animals, the Sun, Moon, and stars. They can also classify these things as solid, liquid, or gas. They can describe how objects move and what makes them move. They can also identify sources and describe uses of light, heat, sound, and electricity. Learners can describe changes in the conditions of their surroundings. These would lead learners to become more curious about their surroundings, appreciate nature, and practice health and safety measures.			
Domain Standard	Learners observe, explore, and investigate how things around them move and can be moved. They also identify things in their environment that can cause changes in the movement of objects.			
Content Standard	The learners demonstrate an understanding of motion of objects.			
Performance Standard	The learners should be able to observe, describe, and investigate the position of things around them.			
CONTENT	LEARNING COMPETENCIES	CODE	NUMBER OF DAYS	REMARKS
1. Effects of Force on Objects	1. The learners should be able to describe the position of a person or an object in relation to a reference point such as chair, door, or another person.	S3FE-IIIa-b-1		

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1.1 Position and movement	1.1 Describe the position of a person in relation to another person using words such as in front, behind, at the right side of, to the left side of, etc.	S3FE-IIIa-b-1.1	1	
	1.2 Describe the position of an object in relation to a person using words such as in front, behind, at the right side, to the left of, etc.	S3FE-IIIa-b-1.2	1	
	1.3 Describe the position of a person in relation to a reference point in the classroom such as chairs, tables, cabinets, chalk board, etc)	S3FE-IIIa-b-1.3	1	
	1.4 Describe the position of an object in relation to a reference point in the classroom such as chairs, tables, cabinets, chalk board, etc.)	S3FE-IIIa-b-1.4	1	
	1.5 Describe the location of an object after it has moved		2	
	1.6 Determine whether an object or a person has had a change in position	S3FE-IIIa-b-1.5		

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	Suggested Performance Task: Classroom Treasure Hunt. Using clues that tell the position of objects, learners will find out hidden objects inside		2	
	Summative Assessment on S3FE-IIIa-b-1		1	
	2. The learners should be able to identify things that can make objects move such as people, water, wind, and magnets.	S3FE-IIIc-d-2		
	2.1 Enumerate different ways to move an object	S3FE-IIIc-d-2.1	1	
	2.2 Describe the different ways to move objects	S3FE-IIIc-d-2.2		
	2.3 Construct a pinwheel to demonstrate that wind can move objects	S3FE-IIIc-d-2.3	1	
	2.4 Describe how wind moves objects	S3FE-IIIc-d-2.4	1	
	2.5 Cite examples of objects that can be moved by the wind	S3FE-IIIc-d-2.5		
	2.6 Describe how water moves objects	S3FE-IIIc-d-2.6	1	
	2.7 Use a paperboat to demonstrate that water moves objects	S3FE-IIIc-d-2.7		

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1.2 Making objects move	2.8 Cite examples of objects that can be moved by water	S3FE-IIIc-d-2.8		
	2.9 Describe how a magnet can move objects	S3FE-IIIc-d-2.9	2	
	2.10 Identify objects that can be moved by magnets	S3FE-IIIc-d-2.10		
	2.11 Apply their understanding of what moves objects to a given situation (ex. Moving a toy car)	S3FE-IIIc-d-2.11	2	
	3. The learners describe the movements of objects such as fast/slow; forward/backward, stretching/compressing.	S3FE-IIIe-f-3		
	3.1 Describe the movement of an object as fast or slow	S3FE-IIIe-f-3.1	1	
	3.2 Demonstrate fast and slow movement using various materials	S3FE-IIIe-f-3.2	1	
	3.3 Describe the movement of an object as forward or backward	S3FE-IIIe-f-3.3	1	
	3.4 Demonstrate forward and backward motion using various materials	S3FE-IIIe-f-3.4	1	

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	3.5 Describe the act of stretching and compressing	S3FE-IIIe-f-3.5	2	
	3.6 Demonstrate stretching and compressing using various materials	S3FE-IIIe-f-3.6		
	3.6 Name objects that can be stretched or compressed	S3FE-IIIe-f-3.7		
	Suggested Performance Task: Toy Car in a Maze. Learners will figure out how to move a toy car to get out of a maze by giving instructions to each other and moving the toy car according to the instructions.		1	
	Summative Assessment for S3FE-IIIc-d-2 S3FE-IIIe-f-3		1	

Grade	GRADE 3			
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Domain Standard	Learners observe and identify different sources of light, heat, sound, and electricity in their environment and their uses in everyday life.			
Content Standard	The learners demonstrate an understanding of the sources and uses of light, sound, heat, and electricity.			
Performance Standard	The learners apply the knowledge of the sources and uses of light, sound, heat, and electricity.			
CONTENT	LEARNING COMPETENCIES	CODE	NUMBER OF DAYS	REMARKS
2. Energy: Light, Heat, Sound	4. The learners describe sources of light and sound, heat and electricity	S3FE-IIIg-h-4		
	4.1 Identify sources of light	S3FE-IIIg-h-4.1	1	
	4.2 Describe natural and artificial sources of light	S3FE-IIIg-h-4.2	1	
	4.3 Determine whether a source of light is natural or artificial	S3FE-IIIg-h-4.3		
	4.4 Identify things that give off heat	S3FE-IIIg-h-4.4	1	

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2.1 Light and Heat	4.5 Identify proper ways of handling hot objects	S3FE-IIIg-h-4.5	1	
	4.6 Identify sources of sound	S3FE-IIIg-h-4.6	1	
	4.7 Describe ways of producing sounds	S3FE-IIIg-h-4.7	1	
	4.8 Classify objects that operate using a battery or when plugged in electrical outlet	S3FE-IIIg-h-4.8	1	
	Suggested Performance Task: Make a collage showing pictures of different sources of light, heat, sound, and electricity		1	
	Summative Assessment on S3FE-IIIg-h-4		1	
2.2 Uses of light, heat, sound, and electricity	5. Enumerate uses of light, heat, sound, and electricity	S3FE-IIIi-j-5		
	5.1 Identify uses of light	S3FE-IIIi-j-5.1	1	
	5.2 Identify proper ways of using light	S3FE-IIIi-j-5.2	1	
	5.3 Name and describe different uses of heat	S3FE-IIIi-j-5.3	1	
	5.4 Describe the uses of sound	S3FE-IIIi-j-5.4	1	
	5.5 Describe the uses of electricity	S3FE-IIIi-j-5.5	1	
	5.6 Identify the proper uses of electricity and other electrical devices	S3FE-IIIi-j-5.6		

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	5.7 Apply their knowledge of using energy (light, heat, sound, and electricity) to different situations	S3FE-IIIi-j-5.7	1	
	<i>Suggested Performance Task:</i> Present a short skit showing how light, sound, heat, and energy is used		2	
	<i>Summative Assessment on S3FE-IIIi-j-5</i>		1	
	Third Quarter Summative		2	
		TOTAL	45	