

ALSAGOFF ARAB SCHOOL
ACQUIRED KNOWLEDGE DEPARTMENT
PRIMARY 3 SCIENCE SCHEME OF WORK 2016

Term 1: Monday 4 January to Friday 11 March

School Holidays/Functions:

Week # 0	New Year's Day	Friday 1 January
Week # 1	First Day of School	Monday 4 January
Week # 3	Maulid Celebrations	Saturday 23 January
Week # 4	Maulid (In-Lieu)	Monday 25 January
Week # 5	Haflah Celebrations	Saturday 6 February
Week # 6	Chinese New Year	Monday 8 February & Tuesday 9 February
Between Term 1 & 2		Saturday 12 March - Sunday 20 March

*Week(s)	Chapter/Topic	Instructional Objectives	Period
1, 2, 3 & 4	<u>Chapter 1 (Diversity):</u> Classification: Living & Non-Living Things	<ul style="list-style-type: none"> · Define classification · Explain why classification is important · Classify things based on the similarities and differences in their characteristics · Identify the characteristics by which a set of things are grouped into · Recognise that the same set of things can be classified in different ways · List some examples where classification has been used · Classify using tables and diagrams · Recognise that the diversity of things around us are either living or non-living · Explain the characteristics of living things, that non-living things do not have: <ul style="list-style-type: none"> - need air, water and food to stay alive - grow - respond to changes around them - reproduce - Classify a variety of things as living things or non-living things · State that plants, animals, fungi and bacteria are living things <p><i>Chapter Assessment</i></p>	16
5, 6 & 7	<u>Chapter 2 (Diversity):</u> Plants	<ul style="list-style-type: none"> · Recognise that plants are living things · Recognise that a variety of plants can be found in many places · Classify plants into flowering or non-flowering plants · Identify the basic parts of a plant · Identify and describe the roots, stem, leaves, flowers and fruits of some plants · Classify plants based on the similarities and differences in their parts · Explain why plants are important <p><i>Chapter Assessment</i></p>	12
8 & 9	Review: Chapters 1 – 5	Review chapters 1 & 2 to allow pupils to recall and prepare for Continual Assessment 1.	10
10	Continual Assessment 1	Administer pen and paper assessment. Go through answers and ensure that corrections are done.	10

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Term 2: Monday 21 March to Friday 27 May

School Holidays/Functions:

Week # 7 Labour Day (In-lieu)

Monday 2 May

Between Semesters 1 & 2

Saturday 28 May to 12 June

*Week(s)	Chapter/Topic	Instructional Objectives	Period
1, 2 & 3	<u>Chapter 3 (Diversity):</u> Animals	<ul style="list-style-type: none"> · Recognise that animals are living things · Recognise that there is a diversity of animals · Classify animals based on similarities and differences in common observable characteristics · State and describe the characteristics of some groups of animals (amphibians, birds, fish, insects, mammals and reptiles) · State why animals are important <p><i>Chapter Assessment</i></p>	12
3 & 4	<u>Chapter 4 (Diversity):</u> Fungi & Bacteria	<ul style="list-style-type: none"> · Describe the characteristics of fungi · List examples of fungi · Recognise that fungi come in various sizes · State how some fungi are useful, while others are harmful · State how fungi obtain food · State where fungi can be found · State how fungi reproduce · Describe the characteristics of bacteria · Recognise that bacteria are microorganisms · State how some bacteria are useful, while others are harmful · State where bacteria can be found · State how bacteria obtain food <p><i>Chapter Assessment</i></p>	8
5 & 6	<u>Chapter 5 (Diversity):</u> Exploring Materials (1)	<ul style="list-style-type: none"> · Recognise that there is a wide variety of materials · Identify some common types of materials such as wood, glass, rubber, metals, ceramics, fabrics and plastics · Recognise that objects can be classified based on the materials they are made of · State the different properties of materials · State the ways to test the properties of materials · Compare materials based on their physical properties · Observe a material and describe its properties · Relate the properties of materials to their uses 	8
7	MYE: Paper 1, Oral & LC only		
8	Revision	Review chapters 1 – 8 to allow pupils to recall and prepare for Mid-Year Examination.	10
9 & 10	Mid-Year Written Examination		

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Term 3: Monday 13 June to Friday 25 June, Monday 11 July to Friday 2 September

School Holidays/Functions:

Last 10 days of Ramadhan		Saturday 25 June to 10 July
Week #	Youth Day (In-lieu)	Monday 4 July
	Hari Raya Puasa	Wednesday 6 July
Week # 6	Family Day (In-lieu)	Monday 1 August
Week # 7	National Day	Tuesday 9 August & Wednesday 10 August
Week # 10	Teachers' Day	Friday 2 September

*Week(s)	Chapter/Topic	Instructional Objectives	Period
1 & 2	<u>Chapter 5 (Diversity):</u> Exploring Materials (2)	· Identify the appropriate materials to use to make different objects based on what the objects are used for <i>Chapter Assessment</i>	8
3, 4 & 5 & Term 4 Week 5	<u>Chapter 1 (Cycles):</u> Life Cycle of Some Animals	· Show an understanding that a cycle is a repeated pattern of change · Show an understanding that all living things go through a life cycle · Recognise that living things reproduce and have young · Recognise that animals change and go through stages in their life cycles · Show an understanding that the young go through a similar life cycle as their parents · Identify and describe the stages in the life cycles of a human, a chicken, a frog, a cockroach and a grasshopper · Recognise the similarities and differences in the three-stage life cycles of a chicken, frog, cockroach and grasshopper · Identify and describe the stages in the life cycles of a butterfly, a mosquito and a beetle · Recognise the similarities and differences in the four-stage life cycles of a butterfly, a mosquito and a beetle · Differentiate between a three-stage and a four-stage life cycle. <i>Chapter Assessment</i>	12 & 4 (during Term 4)
5, 6 & 7	<u>Chapter 2 (Cycles):</u> Life Cycle of Plants	· Identify the stages in the life cycle of a plant grown from seeds · Describe the stages in the life cycle of a plant as it grows from a seed to a young plant and eventually to an adult plant <i>Chapter Assessment</i>	12
8 & 9	Review: Chapters 1 & 2		
10	Continual Assessment 2		

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Term 4: Monday 12 September to Friday 18 November

School Holidays/Functions:

Week # 1	Hari Raya Haji	Monday 12 September & Tuesday 13 September
Week # 4	Children's Day	Friday 7 October

*Week(s)	Chapter/Topic	Instructional Objectives	Period
1, 2, 3 & 4	<u>Chapter 3 (Cycles):</u> Matter	<ul style="list-style-type: none"> · Recognise that matter is anything that has mass and occupies space · Recognise that things around us are made of matter · Define mass and volume · Identify the three states of matter – solid, liquid and gas · Understand that a solid has a definite shape, a definite volume and it cannot be compressed · Understand that a liquid has no definite shape, a definite volume and it cannot be compressed · Understand that a gas has no definite shape, no definite volume and it can be compressed · Measure the mass of a solid using a lever balance and an electronic balance · Measure the mass of a liquid using an electronic balance · Measure the volume of a liquid using a measuring cylinder and a syringe <p><i>Chapter Assessment</i></p>	16
5 & 6	Review	Review chapters to allow pupils to recall and prepare for the End-of-Year Assessment.	10
7 & 8	End-of-Year Assessment	Administer pen and paper assessment.	
9 & 10	Post-Examination Activities		