



MAHARAJA AGARSAIN PUBLIC SCHOOL

a Cambridge International School

Ashok Vihar, Delhi

CLASS - 5

SUBJECT: G. Science

SESSION: 2023-24

Book: Science in Life Today by Prachi

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT	LEARNING OUTCOMES (Students will be able to -SWBAT)	RESOURCES	SDG
PT1 (JULY- AUG)	Ch 1- Growing Plants	Ch 1-Growing Plants Ch 2-Animal World Ch-3 –Bones and Muscles	a) Experiment- To prove that air, water and sunlight are necessary for seed germination b) Experiment to show stages in germination	a) Describe different ways in which plants reproduce b) Analyze the structure of a seed c) Demonstrate the conditions required for seed germination d) Explain the different methods of seed dispersal e) Distinguish between different kinds of crops	Scale, transparent glass, thread, soaked kidney beans, water, cotton https://www.youtube.com/watch?v=heU7J2580ug	SDG 3- Good Health and Well Being
	Ch -2 Animal World (PRESENTATION WEEK-18 TO 25 April)	PT1 date- 7 August Syllabus completion- 28 July	a) Doodle notes to represent various habitats and features of different animals. b) Ppt on migratory animals	a) Identify various kinds of body coverings of animals b) list various eating habits of animals c) describe ways of breathing in different animals d) list the body parts involved in the movement of animals e) explain seasonal migration	A4 sheets https://www.youtube.com/watch?v=luYp9AvVEI0	SDG 4- Quality Education
	Ch-3 Bones and Muscles		a) Model of Skeletal system b) Model representing various joints	a) identify various parts of human skeletal and muscular system b) describe the structure and the functions of skeleton and the muscular system c) discuss the significance of joints in our body d) recognize various types of joints in our body	paper, cardboard, screw, you-tube link (https://www.youtube.com/watch?v=5yin60FyIOI) for reference	SDG 4- Quality Education
	Ch 4 Nervous System		a) Model representing structure of brain	a) classify and explain the structure of the nervous system b) describe the functions of the nervous system name c) discuss the roles of the sensory organs in our body	Clay Link for model https://www.youtube.com/watch?v=ObuUxHYaXuU	SDG 4- Quality Education
	Ch5- Food, Health and hygiene		a) segregate various food items on the basis of their nutrients b) Plan your balanced diet for a day in group	a) classify various types of nutrients b) list types of diseases their causes and prevention c) Applies learning of scientific concepts (balanced diet) in day-to-day life.	Various food items (slips/ Original food items) https://www.youtube.com/watch?v=7FJKxHcTEI	SDG 3- Good Health and Well Being

	Ch6- Safety and first aid		a) Prepare your own first aid box b) Role play to display first aid steps in case of various emergencies	a) explain first aid steps followed for some emergency situations b) define first aid and discuss its relevance c) identify the situations where first aid is necessary	Material for first aid box https://www.youtube.com/watch?v=6I3GRYSMIE	SDG 9- Industry, innovation and infrastructure
HALF YEARLY (SEP)	Ch-7 Simple Machines	Ch 1-Growing Plants Ch 2-Animal World Ch-3 –Bones and Muscles Ch 4-Nervous System Ch5-Food,Health and Hygiene Ch6-Safety and First aid Ch 7- Simple Machines Half yearly exam date-13 Sept to 27 Sept Syllabus completion-25 August	a) Mini book on various simple machines b) Riddles on various types of forces and energy c) Models of various simple machines	a) identify the different types of simple machines b) Applies learning of scientific concepts (simple machines) in day-to-day life.	A4 sheets and Colours https://www.youtube.com/watch?v=FtCJdrNxxMo	SDG 7- Affordable and Clean energy
PT2 (NOV-DEC)	Ch 8 Air and Water	Ch8-Air and Water Ch 9- Volcanoes,Earthquakes and tsunamis Ch 10 – The Moon and Eclipses PT2 date- 4 December Syllabus completion- 24 November	a) activities to show properties of air b) Experiment- To remove insoluble impurities from water by the process of filtration.	a) Recognize the various layers of the earth atmosphere b) describe the composition of air c) demonstrate the properties of air and water d) differentiate between the soluble and insoluble impurities e) explain different ways of purifying water	balloons, stick, thread, glass, water, trough, fountain pen, straw filter paper, funnel, 2 beakers, virtual trip to layers of atmosphere by following link https://www.youtube.com/watch?v=FtCJdrNxxMo	SDG6- Clean energy and Sanitation
	Ch 9- Volcanoes, Earth		a) Model of volcano	a) discuss various types of natural disaster	baking soda, vinegar, model	SDG 11- Sustainable

	hquakes and tsunamis			<p>b) explain how earthquakes occur and how volcanoes erupt</p> <p>c) identify different types of volcanoes</p> <p>d) list various others natural disasters</p>	<p>of volcano</p> <p>https://www.youtube.com/watch?v=yk1dLEZ6gbs</p>	<p>e cities and communities</p>
	Ch 10 – The Moon and Eclipses		<p>a) Activity to show craters on the surface on moon</p> <p>b) Demonstration of phases of moon</p> <p>c) Experiment to show Lunar and Solar eclipse</p>	<p>a) discuss some important facts about the Moon</p> <p>b) describe the surface and conditions present on the Moon</p> <p>c) explain the formation of eclipses</p> <p>d) assess the phases of moon</p> <p>e) name different artificial satellites</p>	<p>wheat flour, bottle cap of different sizes</p> <p>Oreo biscuits/ edible items, torch and 2 balls of different sizes</p> <p>https://www.youtube.com/watch?v=VXzBWBGXUYs</p>	<p>SDG 9-Industry, innovation and infrastructure</p>
	Ch 11 – Rocks and Minerals		<p>treasure hunt activity for various types of rocks</p>	<p>a) compare igneous sedimentary and metamorphic rocks</p> <p>b) explain how different types of rocks are formed</p> <p>c) list different types of minerals</p> <p>d) list the uses of different rocks</p>	<p>Samples of rocks and their hint in the form of riddles</p> <p>CBSE link</p> <p>https://www.youtube.com/watch?v=3pSI1K9ok</p>	<p>SDG 11- Sustainable cities and communities</p>
	Ch12- Soil Erosion and Conservation		<p>activity to show soil erosion and conservation</p>	<p>a) Describe the process of soil formation</p> <p>b) identify different layers of soil</p> <p>c) explain the occurrence of soil erosion</p> <p>d) recognize the methods of soil conservation</p> <p>e) discuss the factors that cause soil erosion</p>	<p>tray, soil, potted plant</p> <p>https://www.youtube.com/watch?v=uo_ntewAemw</p>	<p>SDG 11- Sustainable cities and communities)</p>
FINAL TERM (FEB)	Ch 13-Our Environment and Human Activities	<p>Ch 1 – Growing Plants</p> <p>Ch8-Air and Water</p> <p>Ch 9- Volcanoes, Earthquakes and tsunamis</p> <p>Ch 10 – The Moon and Eclipses</p> <p>Ch-11- Rocks and Minerals</p> <p>Ch12- Soil Erosion and Conservation</p> <p>Ch 13-Our Environment and Human Activities</p>	<p>Pamphlet on Changes in environment (green-house effect, global warming, any one environmentalist)</p>	<p>a) Define environment</p> <p>b) describe different types of pollution</p> <p>b) define air pollution ,water ,land and noise pollution</p> <p>c) explain greenhouse effect and global warming</p> <p>d) list the steps taken by the government to save environment</p> <p>f) makes effort to protect environment</p> <p>g) minimizing generation of pollutants</p>	<p>A4 sheet+ colours</p> <p>CBSE link</p> <p>https://www.youtube.com/watch?v=_sAO7C2SqPA</p>	<p>SDG 13- Climate change</p>
						<p>SDG 11- Sustainable cities and communities</p>

		Final exam date- From 15 February Syllabus completion- 31 January				
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***Presentation week-18 to 25 April**

***Collaboration Project topic: Food, Health and Hygiene**

***The above mentioned dates are tentative.**