Annual Syllabus Session: 2022-2023

Class-VIII (LEVEL-1) Subject: SCIENCE

Chapter No.	Content and its mapping with	Learning Outcomes	Suggested Activities
and Name	previous classes		
FOOD	Class VI CH-9:Living organisms and their surroundings Characteristics of the living beings. Class VII Ch-1: Nutrition in Plants Saprotrophs. How nutrients are replenished in the soil. Class VIII Ch-2 Microorganisms: Friends And Foe: Microorganisms Major groups of microorganisms and their living place Microorganisms and us Harmful Microorganisms Tood Preservation Nitrogen Fixation Nitrogen cycle	 Identify different types of microorganisms (both unicellular and multicellular) Classify useful and harmful microorganisms. Explore the role of micro organisms in life. Asks questions and lead to investigations like how do vegetables or food items get spoiled. Investigate various diseases caused by microorganisms. Apply learning of scientific concepts in daily life (what helps in making curd? how does food go bad?etc.) Investigate the use of salt and sugar in preserving pickles and jams. 	 To observe drops of pond water, curd, bread mould, under microscope. Observe the permanent slides of Microorganisms. An experiment to collect the gas (evolved from the fermentation in wheat flour -Increased volume of wheat flour by yeast)- in a balloon and pass it through lime water. Pull out a gram/bean plant from the field and to study its root nodules. VI-Refer to worksheet no.12-13. VIII:- Refer to worksheet no. 02-13, 23-24
MATERIAL	CLASS-VI CH-2: Components of food Test for starch, protein and Fat. (process) CLASS-VII Ch- 5:Acids, Bases and Salts	 Identify and classify materials as metal and nonmetals on the basis of their properties. Write word equation for chemical reactions eg. Reactions of metals and Nonmetals with air ,water , acids and bases . Apply learning of scientific concepts in day to day 	 To study the physical properties of metals and nonmetals(NCERT Table 4.1 & 4.2) To study the nature of oxides of metals and non-metals. To study displacement reaction.

❖ Acids and Bases	life using appropriate metals and non-metals for	4. Reaction of metals and non-
❖ Natural Indicators around us	various purposes.	metals with acids.
Neutralisation	• To explore the answer of various questions-like	
<u>CLASS-VIII</u>	why the ringing bells are not made up of wood.	VI- Refer to worksheet no.3-5
CH-4 Materials : Metals and Non-Metals	• Differentiate between metals and non metals on	
❖ Physical properties of metals and non-	the bases of observations of their physical and	VII- Refer to worksheet n.14-17.
metals	chemical properties,	
 Chemical properties of metals and non- 		VIII:-Refer to worksheet no.14-22
metals		
❖ Reaction with oxygen, water acids		
and bases		
❖ Displacement reaction		
 Uses of metals and non-metals. 		

- > The above content must be completed by 30th September 2022.
- > Revision of syllabus for Mid Term Examination.

Note: (Specify, if needed) The above said syllabus is for assessment purpose only and remaining topics/chapters may be taught as Subject Learning Enrichment.

MID TERM EXAMINATION

Chapter Name	Content and its mapping with previous classes	Learning Outcomes	Suggested Activities
HOW	<u>CLASS-VI</u>	To differentiate between	1.To verify laws of reflection of
THINGS WORK	*CH – 11: Light Shadows and Reflection	regular and irregular reflection.	light with the help of a ray of light and a mirror.
	Transparent, opaque and translucent objects	To identify the characteristics	2.To identify the reflected image
	What exactly are shadows?A pinhole camera.	of the image formed by a plane	with the help of a plane glass and a lighted candle.
	Mirrors and reflections	mirror.	3.To observe an object through a
	CLASS-VII * Ch-15: Light Light travels along a straight line Reflection of light.	Conduct simple investigations	straight and bent pipe. 4.To observe the formation of
		to verify the laws of reflection.	multiple images by mirrors with
		• Explain the process of the	each other at different angles. 5.To study the structure of eye
	 Right or left, playing with spherical mirrors. Images formed by lenses. 	formation of multiple images,	with the help of a chart/model. 6.To make your own
	❖ Sunlight white or coloured.	by experimentation.	Kaleidoscope.

CLASS-VIII CH-16 Light What makes things visible Laws of reflection, Regular and diffused reflection multiple reflection Reflected light can be reflected again. Multiple Images Sunlight-,white or coloured, What is inside Our Eyes? (human eye-structure and function) Care of the Eyes Visually challenged persons can read and write. What is the Braille system?	Explain with the help of self drawn labeled diagram the structure of eye.	VI:-Refer to worksheet no.16-19. VII:-Refer to worksheet no.26-31 VIII:-Refer to worksheet no.25-33
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- ➤ The whole syllabus must be completed by 31 January, 2023.
- > Revision of syllabus for Annual Examination.
- > Annual syllabus will be based on whole annual syllabus.

Note: The above said syllabus is for assessment purpose only and remaining topics/chapters may be taught as Subject Learning Enrichment.

ANNUAL EXAMINATION