

**ALARDS CHARITABLE TRUST'S  
ALARD PUBLIC SCHOOL  
MARUNJI, PUNE-57  
ACADAMIC SESSION 2017-18**

**SUBJECT: MATHS**

**CLASS: VIII**

**TEXTBOOK: NCERT**

SR.NO	CHAPTER NO	CHAPTER NAME	MONTH	ACTIVITIES
1	1	RATIONAL NUMBERS	JULY	REPRESENTATION OF RATIONAL NUMBERS ON A NUMBER LINE
2	2	LINEAR EQUATIONS IN ONE VARIABLE	JULY	WORK SHEET FOR SOLVING MORE PROBLEMS
3	3	UNDER STANDING QUADRILATERALS	JULY	REPRESENT THE PROPERTIES OF QUADRILATERALS
4	4	PRACTICAL GEOMETRY	AUGUST	CHART REPRESENTATION
5	5	DATA HANDLING	AUGUST	REPRESENT THE TYPES OF GAPHS IN GRAPH SHEET
6	6	SQUARES AND SQUARE ROOTS	SEPTEMBER	WORK SHEET FOR MORE PROBLEMS
7	7	CUBES AND CUBE ROOTS	SEPTEMBER	WORK SHEET FOR SOLVING MORE PROBLEMS
8	8	COMPARING QUANTITIES	OCTOBER	CHART REPRESENTATION
9	9	ALGEBRAIC EXPRESSIONS AND IDENTITIES	OCTOBER	REPRESENT THE RELATION BETWEEN ALGEBRAIC EXPRESSIONS AND IDENTITIES
10	10	VISUALISING SOLID SHAPES	NOVEMBER	CHART REPRESENTATION
11	11	MENSURATION	NOVEMBER	WORKSHEET FOR SOLVING MORE PROBLEMS
12	12	EXPONENTS AND POWERS	DECEMBER	REPRESENT FORMULA'S IN CHARTY
13	13	DIRECT AND INVERSE PROPORTION	JANUARY	DISPLAY YHE PROPORTIONS IN A CHART
14	14	FACTORISATION	JANUARY	WORK SHEET FOR SOLVING MORE PROBLEMS
15	15	INTRODUCTION TO GRAPHS	FEBRUARY	GRAPH REPRESENTATION
16	16	PLAYING WITH NUMBERS	FEBRUARY	BY SOLVING PUZZLES AND NUMBER GAMES BY USIG GENERAL FORM OF NUMBERS

CLASS

VIII

SUBJECT : ENGLISH

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Month	Lesson No & Name	Activities
July	1. Anne Bakes a Cake	Comprehension on unseen passage
	In the Bazaars of Hyderabad	
	2. Saving the Gharial	
	Grammar : 1,2- The tenses	
August	3. Gogol's First Day	Exercises on the different
	The Lost Dances of Cranes	tenses done from WB
	4. The Last Class	
	Grammar :3,4,5- The tenses	
September	Unfolding Bud	
	5. The Narayanpur Incident	
	Grammar: 6. Modal Auxiliaries	
	7. Position of Adverbs	
	8. Finite & Non-finite verbs	
October	6. Can animals Reason?	Revision Paper 1
	The Elephant and the Tragopan	
	Grammar : 9. Infinitives	
November	7. Coming Home to Delhi	Writing letters
	Where the Mind is Without Fear	Formal letter
	8. Owens vs Master Race	Informal letter
	Grammar : 10. Gerunds	
	11. Participles	Worksheets on editing a text
	12. Subject-Verb Agreement	
December	9. A Night to Forget	
	A Poison Tree	
	Grammar:13.Active & Passive Voice	
	14,15,16-Prepositions	Revision paper 2
January	10. Darjeeling	Comprehension on unseen passage
	11. Bodyline	
	Grammar : The Clauses	Writing articles for newspaper
	Conditionals	
	Direct and Indirect Speech	
February	All the World's a Stage	Exercises from WB
	12. The Merchant of Venice	on punctuations
	Grammar : Punctuation	Revision paper 3
March	Revision	
	Annual Exam	

**SUBJECT: SCIENCE**  
**TEXTBOOK : NCERT**

**CLASS: VIII**

<b>SR. NO</b>	<b>CHAPTER NO</b>	<b>CHAPTER NAME</b>	<b>MONTH</b>	<b>ACTIVITIES</b>
1	1	Crop production and management	April	1. Collect new agricultural machine pictures and paste in a file with their names and uses.
2	2.	Microrganisms: Friend and Foe	April + June	1. Visit a doctor. Find out why antibiotics should not be overused. Prepare a short report. 2. Collect the labels from the bottles of jams and jellies. Write down the list of contents printed on the labels.
3	3.	SyntheticFibres and Plastics	June	1. Visit five families in your neighbourhood and enquire about the kind of clothes they use, the reason for their choice and advantages of using them in terms of cost, durability and maintenance. Make a short report and submit.
<b>SR. NO</b>	<b>CHAPTER NO</b>	<b>CHAPTER NAME</b>	<b>MONTH</b>	<b>ACTIVITIES</b>
4	4	Materials: Metals and Non- metals	July	1. Find out the locations of the deposits of iron, aluminium and zinc in India. Mark these in an outline map of India. In which form are the deposits found.
5	5	Coal and Petroleum	July	1. Find out the location of major thermal power plants in India. What could be the reasons for their being located at those places? 2. Get an outline map of India. Mark the places in the map where coal, petroleum and natural gas are found.

				Show the places where petroleum refineries are situated.
6	6	Combustion and Flame	August	<ol style="list-style-type: none"> <li>1. Candle experiment to show oxygen is necessary for combustion.</li> <li>2. Heating water in a paper cup.</li> </ol>
7	7	Conservation of Plants and Animals	August	<ol style="list-style-type: none"> <li>1. Find out the number of national parks, wildlife, sanctuaries and biosphere reserve in your district, state and country. Show these area in an outline map of your state and India.</li> </ol>
8	8	Cell Structure and Functions	September	<ol style="list-style-type: none"> <li>1. Observe the basic component of the cell under microscope (Onion Bulb experiment)</li> </ol>

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9	9	Reproduction in Animals	September	<ol style="list-style-type: none"> <li>1. Find out how twinning occurs. Look for any twin in your neighbourhood or among your friends. Find out if the twins are identical or non-identical. Also find out why identical twins are always of the same sex? If you know of any story about twins, write it in your own words.</li> </ol>
10	10	Reaching the Age of Adolescence	October	<ol style="list-style-type: none"> <li>1. Collect information about HIV/AIDS. Write a one page article of 15 to 20 sentences on HIV/AIDS</li> </ol>
11	11	Force and Pressure	October	<ol style="list-style-type: none"> <li>1. Take 4-5 plastic bottles of different shapes and sizes. Join them together with small pieces of glass or rubber tube. Keep this arrangement on a level surface. Now pour water in any of the</li> </ol>

				bottles. Note whether the bottle in which water is poured gets filled first or all the bottles get filled up simultaneously. Note the level of water in all the bottles from time to time. Try to explain your observation.
12	12	Friction	November	1. What role does friction play in the sport of your choice? Collect some pictures of that sport in action where friction is either supporting it or opposing it. Display these pictures with proper captions on the bulletin board of your classroom.

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13	13	Sound	November	<ol style="list-style-type: none"> <li>1. Prepare a list of famous Indian musicians and the instruments they play.</li> <li>2. Make two toy telephones. Make sure that the two strings are taut and touch each other. Let one of you speak. Can the remaining three persons hear? See how many friends you can engage in this way. Explain your observations.</li> </ol>
14	14	Chemical Effects of Electric Current	December	1. Test the conduction of electricity through various fruits and vegetables. Display your result in a tabular form.
15	15	Some Natural Phenomena	December	1. Find out the name of the organizations in India which provide relief to those suffering from natural disaster. Prepare a brief report on the problems of the earthquake victims.
16	16	Light	January	1. Make your own mirror. Take a glass strip or glass slab. Clean it and put it on a white sheet of paper. See yourself in the glass. Next put the glass slab on a

black sheet of paper. Again look into the glass in which case do you see yourself better and why?

SR. NO	CHAPTER NO	CHAPTER NAME	MONTH	ACTIVITIES
17	17	Stars and the Solar System	January	<ol style="list-style-type: none"> <li>1. Form a group of students. Prepare a model of the solar system showing the planets and their relative sizes. For this take a large chart paper. Make spheres representing different planets according to their relative size. You may use newspaper, clay or plasticine to make spheres. You can cover these spheres with paper of different colours. Exhibit your models in the class</li> <li>2. Try to make a scale model of the solar system showing distances of the planets from the Sun (Use Table 17.1)</li> </ol>
18	18	Pollution of Air and Water	February	<ol style="list-style-type: none"> <li>1. In some cities, a pollution check has been made compulsory for vehicles. Visit a petrol pump in order to learn about the process of conducting a pollution check. You may systematically record your findings in the following areas: <ul style="list-style-type: none"> <li>✓ Average number of vehicles checked per month.</li> <li>✓ Time taken to check each vehicle</li> <li>✓ Pollutants checked for</li> <li>✓ The process of testing</li> <li>✓ Permissible levels of emission of various gases</li> <li>✓ Measure taken if the emitted gases are above the permissible limits</li> <li>✓ How frequently is a pollution check required?</li> </ul> </li> </ol>

