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R.M PUBLIC SCHOOL

(CBSE AFFILIATION NO. 730072)

SESSION: 2024-25

**SUMMER HOLIDAYS PRACTICE WORK
CLASS 11TH (SCIENCE)**



Dear Students

Learning is the beginning of wealth. Learning is the beginning of health. Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

.....Jim Rohn

The summer vacation, this time would not be ice creams, candies and cool pool, but time can be utilized in honing skills and interests. It is easy to bloom, then to be bud, but you are responsible young members of nation and its our duty to follow rules. Here are some holiday activities designed for creative utilization of time. Give a flight to your imagination and spend time purposely. This summer vacation the holiday homework so designed by the mentors of the school is a medium for you all to achieve the motto of "Fun and Learn".

REMEMBER

- Neatness and hygiene are part of your routine.
- Holidays homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.
- Its a perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.
- Reading is essential for those who seek to rise above the ordinary. Spend your quality time with reading purposeful books.
- A beautiful handwriting makes a good impression. Practice one page of English and Hindi writing daily.
- Schedule your time for activities so that there is no piling up for the last moment.
- Holiday homework should be your authentic creative work.

SUBMIT HOLIDAYS HOMEWORK ACCORDING TO THE GIVEN TIME AND SLOTS SCHEDULE

DATE	SLOTS	ROLL NO.	TIMING
15-7-2024	FIRST	1 TO 15	8:00 am to 8:30 am
	SECOND	16 onwards	8:30 am to 9:00 am

NOTE: The marks of holiday homework will be included in your Term-1 exam. Kindly deposit the holiday homework on above mentioned slots, later it will not be accepted by the class teacher.

HAPPY SUMMER VACATIONS

Vacations are the best time to relax and enjoy. Summer vacation is the reason behind fun in the Sun, beach and shadow of the umbrella.

- This is to inform all the students that the summer vacation is going to begin on **1ST June 2024 and will end on 16th July 2024. The school will reopen on 18th July 2024 i.e Thursday.**
- Summer holidays homework has been uploaded on our school website : www.rmpublicschool.com
- Kindly go through it.
- We hope you have a fantastic vacation with your family.

SR.NO	SUBJECT	ASSIGNMENT	ACTIVITY/ PROJECT WORK	MATERIAL REQUIRED
1.	English	<p>Q1. Draft a poster on any topic of your choice with proper format. Make sure the poster is interesting and attractive giving all the necessary details.</p> <p>Q2. Write the summary of the chapter - 'Discovering Tut...The Saga continues' in your own words.</p>	<p>Q1. Write a fictional story with a moral in your own words (200 words)</p> <p>Q2. 'Joint family is a boon to the growing child.' Write an article for your school magazine in about 150-200 words highlighting the importance of a Joint Family.</p> <p>Q3. In order to enhance your speaking skills prepare a five minute speech on the following topics</p> <p>a) Punctuality vs procrastination (For roll no. 1 to 15)</p> <p>b) Cashless India (For roll no. 16 to 30)</p>	<p>Practical File Colourful Sheets Sparkle Pens Glue etc.</p>

2.	Biology	<p>Q1. Name three group of plants that bear archegonia. Briefly describe the lifecycle of any of them</p> <p>Q2. Mention the ploidy of the following</p> <p>a) leaf cell of a moss b) Zygote of fern c) Ovum of a liverwort d) Meristem cell of monocot</p>	<p>Prepare model on following topics</p> <p>1. Bacteria cell model (for odd Roll numbers)</p> <p>2. DNA working model (for even Roll Numbers)</p> <p>Note: Kindly prepare a PPT and presentation for five minutes on the project and bring your PPT in the Pen drive post summer vacation.</p>	<p>Cardboard colour paper, cutter favicol, foam sheet, woolen thread, mustard seed, coconut shell etc</p> <p>Cardboard, Tissue paper, colour paper, copper wire, chopsticks, Cardboard box, Robot motor, battery, button switch etc</p>
3.	Physics	<p>Q1 solve the NCERT text book exercises of chapter laws of motion.</p> <p>Q2. Solve the NCERT textbook exercise of the chapter motion in a plane.</p>	<p>1. Student develop innovative model on theme understanding eco system of health and wellbeing.</p> <p>Sub theme :</p> <p>(A) technology innovation for eco system (For odd Roll Numbers)</p> <p>(B) Transport and communication (For even Roll Numbers)</p> <p>Note: Kindly prepare a PPT and presentation for five minutes on the project and bring your PPT in the Pen drive post summer vacation.</p>	<p>Used the relevant material required for the model.</p>
4.	Chemistry	Structure of atom	1.Make the bohr model	Cardboard,

		<p>Q1 what important properties of cathode rays lead us to believe the existence of eletron in metal rod?</p> <p>Q2 what is photoelectric effect? State the result of photoelectric effect experiment that could not be explained on the basis of classic physics</p>	<p>of atom</p> <p>(For odd Roll numbers)</p> <p>2. Make the Rutherford model of atom</p> <p>(For even roll numbers)</p> <p>Note: Kindly prepare a PPT and presentation for five minutes on the project and bring your PPT in the Pen drive post summer vacation.</p>	<p>sheets, colored pens, plastic balls etc</p> <p>Cardboard, sheets,</p> <p>Colored pens, plastic balls</p> <p>Etc</p>
5.	Maths	<p>Q1. Solve the NCERT textbook exercises of chapter subsets.</p> <p>Q2. Solve the NCERT textbook exercises of chapter relation and function.</p>	<p>1.To find the number of subsets of a given set and verify that if a set has n number of elements then the number of subsets are 2^n.</p> <p>2. To distinguish between a relation and function.</p>	<p>Paper, different colored penciles</p> <p>Drawing board, colored drawing sheets, adhesive, strings, Nails, scissors etc</p>
4.				
	Psychology	<p>Q1. What is behaviour? Give good examples of overt and covert behaviour observed by you during the vacations and write it on practical sheets.</p> <p>Q2. Survey and meet five different peoples around you (non relatives) Talk to them and try to solve their respective problems and make a report.</p>	<p>Each student must make a project file on any the following methods of data collection.</p> <p>(A) Observation method and psychological testing</p> <p>(For Medical even Roll no's. and non-med Odd Roll no's)</p> <p>(B) experimental methods and case study</p> <p>(For Medical odd Roll no's. and non-med even</p>	<p>Practical sheet colours, pencil, scale, glue etc.</p>

			<p>Roll no's) (C) Correlational research and survey research. (For Arts even Roll no's. and Commerce Odd Roll no's) (D) Qualitative and Quantitative methods. (For Arts Odd Roll no's. and Commerce even Roll no's) Note: Kindly prepare a PPT and presentation for five minutes on the project and bring your PPT in the Pen drive post summer vacation.</p>	
5.	Computer science	<p>Q1 Compute the greatest common divisor and least common multiple of two integers</p> <p>Q2 Input a list of numbers and swap elements at the even location with the elements at the odd location</p> <p>Q3.Count and display the number of vowels consonants, uppercase lowercase characters in string.</p> <p>Q4.Find the largest / Smallest no in a list/ tuple.</p> <p>Q5.Input a no and check if the no is a prime or composite no.</p>	<p>1. Create a dictionary with the Roll numbers ,Name and marks of n students in a class and display the name of students who have marks above 75 (For odd Roll numbers)</p> <p>2. Input a string and determine whether it is a palindrome are not, convert the case of character in a string. (For even Roll Number)</p> <p>3. Create a power point presentation with atleast ten slides on software and it categories for your smart class presentation (for entire class)</p>	Software required- python.
6.	PHE	<p>Q1.Describe changing Trends in sports and Games in terms of changes in playing surface, wearable gears, Equipment, Technological advancement.</p>	<p>Labelled diagram of 400M Track and field with computation (For Odd roll no)</p>	Chart paper, pencil, eraser, glue etc.

		Concepts of Disability and Disorder.	Prepare a chart of Surya namaskar (for even roll no)	
7.	Entrepreneurship	<p>Entrepreneurship concepts and function.</p> <p>Q1. Explain the various definitions given by different economists of Entrepreneurship?</p> <p>Q2. If you become an entrepreneurship explain the various characteristics you will need?.</p> <p>Q3. List the various schemes which are provided by government in India for start up? Take one venture in consideration that uses this scheme?</p>	<p>Field visit: visit any business firm near your locality ,interact with the owner of the business firm and prepare a field report on parameters like; type of business, scale of business product/ service dealing in, target customers, problems faced and measure to solve the faced challenges.</p> <p>Note: Kindly prepare a PPT and presentation for five minutes on the project and bring your PPT in the Pen drive post summer vacation.</p>	Practical files, colourful sheets, sparkle pens.
8.	Painting.	<p>A1. Name the sites of Indus valley civilization.</p> <p>Q2. Explain the artistic aspects of dancing girl.</p> <p>Q3. Make a still life painting / sketch on A3 size sheets.(Use any sheets above 150 gms)</p> <p>Q4. Revise all the previous syllabus.</p>	Activity work: Make a painting / sketch on the nature study of A3size sheets.	You can use acrylic colours, water and graphite shading pencils.
9.	हिंदी	<p>परियोजना कार्य</p> <p>A4 आकार के पृष्ठों से अधिक का नहीं होना चाहिए और इसमें शामिल होना चाहिए</p> <ul style="list-style-type: none"> • विषय वस्तु • भाषा एवं प्रस्तुती • शोध एवं मौलिकता <p>1 राजस्थान की रेतीली भूमि में पानी के स्रोत केवल वहां की</p>		फाइल , A4 शीट

जल समस्या का समाधान नहीं है बल्कि जमीन की अटल गहराइयों में जीवन की पहचान है इस बात को सिद्ध करते हुए वहां के जल व्यवस्था पर निम्नलिखित बिंदुओं के आधार पर एक विवरणिका तैयार करें | शब्द सीमा 200 से 300 तक |

- a) राजस्थान में जल की स्थिति
- b) जल के आंकड़े
- c) जल कम क्यों है
- d) सरकार के प्रयास
- e) लोगों की जागरूकता
- f) आज की स्थिति

2. निम्नलिखित पाठों पर PPT (Power Point Presentation) तैयार कीजिए और कवि के जीवन पर प्रकाश डालते हुए पाठों का विस्तारपूर्वक वर्णन करें (जीवन परिचय , कृतियाँ , सम्मान एवं पुरस्कार और 20 अतिरिक्त प्रश्न उत्तर लिखिए)

1. "हम तो एक एक करि जानं, पवित्र देखत जग बौराना "

2. मेरे तो गिरधर गोपाल दूसरो न कोई

3. आओ मिलकर बचाएँ

Note: Bring PPT in PEN DRIVE.

प्रथम इकाई के समस्त पाठों की पुनरावृत्ति करें |

Note:

- **Revise all syllabus done till date.**
- **Do all holiday homework in separate notebook and do project on A4 size sheets.**

Regards

Vice Principal