

SUMMER Vacation

HOLIDAY HOMEWORK

Learn • Explore • Create • Enjoy

A perfect blend of learning and fun to make your vacation meaningful and memorable! ★

- EXPLORE
- LEARN
- CREATE
- GROW

CLASS 10TH



Boost Creativity



Enhance Learning



Build Confidence



Develop Life Skills



Connect with the World

Happy Holidays! ❤️
Keep learning, keep growing!

Dear Students,

"Learning never exhausts the mind."

— Leonardo da Vinci

This summer, we encourage a blend of joyful relaxation and purposeful learning. Our holiday homework is designed by mentors to help your child develop skills and interests, aligning with our motto of '**Fun and Learn**' and fostering responsible young minds.

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.
- It's 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 SLOT SCHEDULE

DATE	SLOTS	ROLL NO.	TIMING
20/07/2026	FIRST	1-15	9:00 am to 9:30 am
	SECOND	16 ONWARDS	9:30 am to 10:00 am

- School will remain open between **8:30 am to 01:00 pm** on all working days except Sundays and Gazetted Holidays.

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

HAPPY SUMMER VACATION!

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 **08th June, 2026 and will end on 22nd July, 2026. The school will reopen on 23rd July, 2026.**
- 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.

S.NO	SUBJECT	TOPICS	ACTIVITY
1	English	Reasoning Based	<p>1. If you could rewrite the ending of any chapter from First Flight or Footprints without feet, what changes would you make and why?</p> <p>2. What life lesson did you learn from your favourite chapter or poem? How can you apply it in your real life?</p> <p>3. Project Work Prepare a project on poem analysis of any two poems done in class (theme..poetic devices).</p> <p>4. Application based Imagine you are a character from any chapter done in class. Write a diary entry describing a major event from your perspective.</p>
S.NO	SUBJECT	TOPICS	ACTIVITY
2	Mathematics	<p>Pair of Linear Equations in Two Variables</p> <p>Polynomials</p>	<p>1. Project Work Mathematical Modeling & Graphical Analysis</p> <p>Part A: Create a real-life case study. Form a pair of linear equations and solve using graphical and substitution method. Interpret the solution.</p> <p>Part B: QR Code learning: A YouTube video explaining polynomials, your own recorded explanation.</p> <p>Part C: Solve 5 CBSE case-based questions and create 2 real-life questions with solutions.</p> <p>Part D: Write applications of graphs in real life and learning outcomes.</p>

S.NO	SUBJECT	TOPICS	ACTIVITY
3	Social Science	Water Resources Federalism	1. "Hydro-politics is replacing geo-politics in shaping global conflicts." Critically examine with suitable examples. 2. If a subject like "cyber security" is not clearly mentioned in any list, who should legislate? Justify your answer using constitutional principles. 1. Project File 1.ConsumerRights(R.no1 to 25) 2. Sustainable Development. (R.no 26 onwards)

S.NO	SUBJECT	TOPICS	ACTIVITY
4	Physics	Spherical mirrors (concave and convex mirrors) Spherical lens (concave and convex lens)	1. Do any 10 numericals on mirror Formula from 2. Do 10 numericals on lens formula PYQ(CBSE) 3. Project Work a. The "Human Eye" Repair Pitch Objective: To apply knowledge of defects of vision to a real-world scenario. Task: Imagine you are a biomedical engineer. Create a "Patient Case File" for a person who cannot see objects clearly beyond 2 meters. Requirements: Diagnose the defect (Myopia, Hypermetropia, or Presbyopia). Draw a "Before" ray diagram showing where the image is currently forming. Draw an "After" ray diagram showing how a corrective lens fixes the problem. State the nature and power of the lens required.

S.NO	SUBJECT	TOPICS	ACTIVITY
5	Biology	Life processes (Respiration , transportation and excretion) Reproduction and structure of seed Nutrition and health	Project Work: To prepare a working model on human respiration system, transportation or excretory system(any one) 1. To study budding in yeast . 2. To study binary fission in amoeba. 3. To study the structure of a dicot seed. (Write in practical file) Survey on eating habits of students to know their daily food patterns, junk consumption and create awareness about healthy diet. (should include data collection, methodology, Result analysis, conclusion and suggestions.

S.NO	SUBJECT	TOPICS	ACTIVITY
6	Chemistry	Chemical Reaction and Equations	<ol style="list-style-type: none"> Do any ten Chemical equations and identify the type of Chemical Reactions. <ol style="list-style-type: none"> A silver spoon turns black after sometime when expose to air. Explain the chemical process involve and suggest the method to prevent it. During respiration, glucose reacts with oxygen to produce the energy. Why respiration is considered a redox reaction? Explain logically <p>3. Project Work: To study the presence and uses of acids, bases and salts in every day life and understand their importance through simple observation and activity and prepare the analyse report on file.</p>

S.NO	SUBJECT	TOPICS	ACTIVITY
7	A.I	<p>Revisiting AI Project Cycle & Ethical frameworks for AI</p> <p>Mini Project: AI Models</p> <p>Advanced python</p>	<ol style="list-style-type: none"> Prepare a creative portfolio containing: AI in Daily Life; Collect 20 examples of AI applications. Categorize them into: <ul style="list-style-type: none"> ✓ Healthcare ✓ Education ✓ Agriculture ✓ Transportation ✓ Entertainment Design an AI-Powered Smart School of 2035 Include: <ul style="list-style-type: none"> ✓ Smart Classrooms ✓ AI Teachers ✓ Smart Attendance ✓ AI Library ✓ Smart Security ✓ Green Energy Solutions Present it as: Poster or Infographic or 3D Model Write 5 Python programs in Practical File. <ol style="list-style-type: none"> Write a program to find the square of a number. Write a program to find the area of a rectangle. Write a program to swap two numbers.

- d. Write a program to check whether a number is positive, negative, or zero.
e. Write a program to find the average of three numbers.

S.NO	SUBJECT	TOPICS	ACTIVITY
8.	HINDI	<p>1. प्रोजेक्ट "हिंदी भाषा का महत्त्व" विषय पर एक सुंदर प्रोजेक्ट तैयार करें जिसमें शामिल हों: हिंदी का इतिहास (संक्षेप में) वर्तमान में उपयोग आपके जीवन में महत्त्व चित्र/चित्रांकन</p> <p>2. गर्मी की छुट्टियों में बिताए गए एक यादगार दिन और स्कूल के पहले दिन की यादों को डायरी के रूप में लिखिए।</p> <p>3. किसी ऐसी घटना का वर्णन कीजिए जिसमें आपने मनुष्यता का उदाहरण देखा हो।</p> <p>4. विज्ञापन लेखन</p>	<p>एक A4 शीट या चार्ट पेपर लें</p> <ul style="list-style-type: none"> ✓ बीच में "हिंदी भाषा" लिखकर उसे रंगों से सजाएँ ✓ चारों ओर टहनी (branches) बनाएँ ✓ हर शाखा को अलग रंग दें ✓ छोटे-छोटे चित्र बनाएँ (जैसे किताब, माइक, झंडा) ✓ साफ और सुंदर लिखावट रखे <p>एक ही पेज/शीट को दो हिस्सों में बाँटो (Left = छुट्टियाँ Right = स्कूल) Page Design Idea बीच में एक लाइन खींचो Left side → गर्मी की छुट्टियाँ (पीला/ऑरेंज थीम) Right side → स्कूल का पहला दिन (ब्लू/ग्रीन थीम) बीच में लिख सकते हो: "मेरी यादों का सफर"</p> <p>पीपीटी तैयार करें</p> <p>खुद का एक product सोचो और उसका विज्ञापन बनाएँ</p>

S.NO	SUBJECT	TOPICS	ACTIVITY
9.	URDU		<p>سوال : افسانہ آی سی ایس اور گلی ڈان ڈا گے دیہاتی منظر کو واضح کریے</p> <p>سوال : نظم او دیس سے آنے والے بتا کے شاعر دیس سے آنے والے شخص سے کیا سوال کر تا ہے تفصیل سے لکھے</p> <p>سوال : سر سید احمد کے حالات کو چارٹ پر لکھے</p> <p>نوٹ: کلاس میں کرائے گئے مکمل کام کی دہرائی کریں -</p>

S.NO.	SUBJECT	MATERIAL REQUIRED
1	ENGLISH	Colourful Sheets, Colours, Decorated File etc.
2	HINDI	A4 साइजशीट , कलर
3	MATHS	Graph paper, ruler, pencil, eraser, A4 sheets, colours
4	PHYSICS	Assignment sheets, ruler, pencil, eraser, A4 sheets, coloured pen etc.
5	CHEMISTRY	Practical lab manual, A4 size sheets, pens, pencil, acidic and basic substances etc.
6	BIOLOGY	Use waste material for recycling (but can be anything according to model, Practical lab manual, A4 size sheets, pens, pencil etc.
7	S.St	A4 size sheets, pictures, file, Colour, glue etc. (do not use plastic file)
8	URDU	Practical lab manual, A4 size sheets, pens, pencil etc.
9	AI	Portfolio file, practical file, Chart Paper, Glue, coloured pens etc.

Note-

- Revise all syllabus done till date.
- Do all holidays homework in separate notebook.

Prioritize safety:

- Avoid sharp tools.
- Parental supervision required for craft activities, especially during usage of hot glue.

The Best ADVENTURES

happen in

SUMMER!

Take time to relax, explore, learn and grow.
Make memories that will last a lifetime!

THIS SUMMER...

- ★ Read new books
- 🌸 Learn new things
- ❤️ Spend time with family
- 📷 Capture beautiful moments
- 😊 Stay healthy & active
- ☀️ Be kind and spread happiness

Relax

Recharge

Refresh

Restart

“ Thank You! ”

R.M. Public School thanks
all the amazing students
for their hard work and
enthusiasm.

You all are
Superstars!

See you soon with
BRIGHT SMILES,
WONDERFUL MEMORIES
and a **HEART** full of
POSITIVE ENERGY! ”

Have a safe, joyful and
AMAZING SUMMER BREAK!

Regards,
Vice Principal