



# ST. TERESA SCHOOL

INDIRAPURAM, GHAZIABAD

SESSION 2024-2025

## HOLIDAY HOMEWORK CLASS- 7

**THEME: “STEM ( Science, Technology Engineering, Mathematics)”**

### **Schools off, Summers in, let the fun and excitement begin.**

Vacations are the most appropriate time for kids to refresh and rejuvenate themselves, to be creative, to learn new skills and perform more enthusiastically. This is the time when skills other than intellectual skill can be nurtured and developed.

Children have ample energy which should be channelized in the right direction to get the best out of them. Keeping this objective in mind, we have designed holiday homework to create a powerful learning experience and priorities, integrated learning, physical thinking and creative problem solving.

Dear Student,

Some tips to make this summer different-

- An ideal time to polish up some hobby that gets neglected during school days.
- Read lots and lots of books to cultivate the reading habit and develop your vocabulary.
- Go for walks and spend quality time with your grandparents and listen about their childhood from them.
- Read the newspaper daily.
- Eat healthy food and drink lots of water during summer
- Get up early in the morning and do yoga and exercise and feel the freshness.
- Revise all the work done in the class till date.

<b>ENGLISH</b>	Be an inventor (Think and invent) 1. You must have imagined about an invention that makes your work easy and fruitful. Using concept of AI just think of an invention you would like to invent that benefits the people and you. Draw the imagination and write about it in a paragraph. 2. Read one short and inspirational novel. Write about the character or incident that inspires you in that novel. 3. Make a wall hanging or creative pocket diary for any 10 to 15 idioms with their meaning and use in sentences which we use in daily conversation. 4. Revise your UT 1 syllabus.
<b>HINDI</b>	1-यदि हम भारतीय पौराणिक कथाओं, वेदों, उपनिषदों, पुराणों, रामायण, महाभारत और श्रीमद्भागवत महापुराण जैसे हमारे महाकाव्यों का संदर्भ लेते हैं तो हम लगभग सभी क्षेत्रों में कई अद्वितीय आविष्कारों, महान खोजों और डिजाइन सोच समाधानों के साथ सामने आते हैं। उनमें से ऐसे किन्हीं पांच खोजों का सचित्र वर्णन कीजिए। <b>अथवा</b> मानव का प्रजनन या क्लोनिंग एक बड़ी पहेली और रहस्य है जिसे सुलझाया जाना है लेकिन आश्चर्य की बात यह है कि महाभारत काल में इसका बहुत अच्छी तरह से अभ्यास और कार्यान्वयन किया गया था। उदाहरण द्वारा समझाइए। 2) प्रथम इकाई का पाठ्यक्रम याद कीजिए।

<b>MATHS</b>	*Verify the sum of all angles of triangle is 180 degree (Angle Sum Property) by paper cutting and pasting. *Make a mathematical newspaper and write application of mathematics in daily life with pictures also add various puzzles, games, logos and symbols in the newspaper.
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	<p>*Learn table 1 to 20 and squares upto 50.</p> <p>*Do worksheet which is attached in Google Classroom.</p>
<b>SCIENCE</b>	<p>Q1. Make a project on Renewable energy source and explore its efficiency, importance and how it is helpful for environment. <b>(Roll No 1-22)</b></p> <p>Q2. Water Filtration System: Design and build a water filtration system using common household materials to learn about the process of water purification and environmental engineering. <b>(Roll No. 23-44)</b></p>
<b>SOCIAL SCIENCE</b>	<p><b>Topic- Technology in Medieval period</b></p> <p>*Prepare a log book on the Jantar Mantar observatory site about the calculation that were used to study about the celestial bodies which still our astronomers are using for keeping observation in the space.(By using diagrams, pictures, and comparative tables). <b>(R.no. 1-22)</b></p> <p>*Make an informative chart with the help of pictures, diagrams to create awareness on how plastic can cause harm to the environment and suggest some other alternative environmental friendly methods that can replace plastic. <b>(R.no. 23 onwards)</b> (Use your innovative and new ideas for presentation)</p>
<b>SANSKRIT</b>	<p><b>सुखार्थिनः कुतो विद्या विद्यार्थिनः कुतो सुखम्</b></p> <p>१. क्तवा , तुमुन, ल्यप् प्रत्यय के १० -१० उदाहरण संस्कृत उत्तर पुस्तिका के व्याकरण भाग में लिखकर सुन्दर रंगो द्वारा लिखिए।</p> <p>२. विज्ञान और संस्कृत एक दूसरे के पूरक हैं इससे सम्बन्धित तथ्य पर रिसर्च करके अपनी संस्कृत उत्तर पुस्तिका में १० वाक्य लिखिए।</p>

<b>FRENCH</b>	<p><b>“Transportation plays a vital role in the economic growth of a country.”</b></p> <p>Knowledge about the French transport system is essential for travel planning, accessibility, environmental sustainability, economic prosperity, cultural appreciation, safety, and social integration. Whether for residents or visitors, understanding the intricacies of transportation infrastructure and services enhances overall mobility and quality of life. Hence, to enhance your knowledge here is an interesting activity for you.</p> <p><b>Heading- Les Transports</b></p> <p>France has an extensive and well- developed transportation system.</p> <ol style="list-style-type: none"> <li>1. Find out about 10 most preferred means of transport in France by all age groups.</li> <li>2. Find out about- Le Train à Grande Vitesse or TGV. Write 10 lines about it in French.</li> <li>3. What is the route of TGV? Find out and write which cities/places it connects?</li> </ol> <p>Do the above project on A-4 size coloured scrap file and paste pictures also.</p> <p>Soyez authentique!</p> <p><b>Remember, learning a language is not just about grammar and vocabulary; it’s also about embracing the culture and having fun! Bonnes vacances! 🌟</b></p>
<b>COMPUTER SCIENCE</b>	<p>Neha is an artist. She displays her artwork on the Internet using her website to attract buyers. One day while browsing the Internet, she discovers that another artist has displayed her painting portraying it as his own. Help her in explaining the different terms of Cyber security with the help of attractive, colorful, and creative play cards on A3 sheet according to your Roll no’s</p> <ul style="list-style-type: none"> <li>* Digital Footprints-( Roll no. <b>1-10</b>)</li> <li>* Unethical Practices-( Roll no. <b>11-20</b>)</li> <li>* Cyber Bullying-( Roll no. <b>21-30</b>)</li> <li>* Hacking and Cracking-( Roll no. <b>31-40</b>)</li> <li>* Phishing and Spamming.-( Roll no. <b>41 onwards</b>)</li> </ul>