



ST. TERESA SCHOOL

INDIRAPURAM, GHAZIABAD

SESSION 2024-2025

HOLIDAY HOMEWORK CLASS- 8

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.

ENGLISH	<p>Figures of Speech</p> <p>Q1. If variety is the spice of life, then figures of speech are the spices of language. Figures of Speech, or figurative language such as Metaphor, Simile, Irony and Alliteration are ways of altering, arranging or adorning the words in such a manner that they can give language a new meaning.</p> <p>Write the meaning of the following Figures of Speech and find such extracts from stories or poems or another literacy piece which can illustrate the given Figures of Speech.</p> <ol style="list-style-type: none">1. Alliteration2. Imagery3. Personification4. Oxymoron5. Metaphor6. Simile <p>(Do on A4 size sheet)</p> <p>Q2. Memorabilia..... create a Memorabilia reflecting five important and treasured moments of your life. Use pictures and give relevant caption to them. Describe each moment in form of Diary Entry in a Mini Diary.</p> <p>3. Revise your UT 1 syllabus.</p>
HINDI	<p>1) प्राचीन समय में स्वास्थ्य के लिए योग के क्षेत्र में ऐसी उत्तम तकनीकी व्यवस्था उपलब्ध थी कि मन और शरीर की स्थिति के अनुसार योगासन से अनेक रोगों का शमन किया जाता था। इस संदर्भ में पतंजलि के "योगसूत्र" से कुछ योगासनों का चयन कर बताइए कि उनसे किस रोग का उपचार हुआ। (सचित्र)</p> <p>2) प्रथम इकाई का पाठ्यक्रम याद कीजिए।</p>

MATHS	<p>*Verify the sum of angles of a quadrilateral is 360° by paper cutting and pasting.</p> <p>*Make a model on finding the sum of first n even numbers and sum of first n odd numbers.</p> <p>*Watch the movie "RAMANUJAN" on YouTube and write about his contribution in the field of Math's. Also mention the name of theories that he has given to the world of Mathematics.</p> <p>*Learn tables 1 to 20 and squares up to 50.</p> <p>*Also do worksheet which is attached in Google Classroom.</p>
SCIENCE	<p>(R.N. to 23) Q1.Prepare a project about green buildings in India. Your project should include Top 10 green buildings that stand out for innovations, Principles of sustainable interior design, Components of green building and materials used, Benefits of green buildings.</p> <p>Q2. Mankind is burning and using fossil fuels at an alarming speed which soon may result in complete disappearance because we are also depleting our natural resources continuously. We now need to develop and employ alternative source of energy to save fuels for future generations. Now, exercise your brain and suggest some alternative sources of energy as a project report.</p> <p>(Roll No. 23 To 46) Q1. Environmental Monitoring: Create a device to monitor air quality or water pollution in your local area. Learn about sensors and data analysis.</p> <p>Q2. Explore the problems associated with using fossil fuels for energy. For example, mining damages ecosystem, air pollution harms ecosystem and human health, and both account for climate change. Also, find out what we can do to lessen these problems.</p>
SOCIAL SCIENCE	<p>Topic- Technology in Modern period</p> <p>*Find out and prepare a report on A4 size sheet on the geometry and technology used for the construction of the building of "New Parliament House"(under the project of Central Vista) For eg.(Earthquake resistance, lobbies, exit and entry, safety precautions and vigilance, ventilation, smart roads and signs and symbols) (R.no. 1-22)</p> <p>*Collect information and pictures about different agricultural practices been practiced in the following three paired states respectively- Arunachal Pradesh, Meghalaya and Uttar Pradesh and prepare a comparative chart on all three states on A3 size sheet. (R.no 23 onwards)</p> <p>(Make your work innovative and creative with pictures, handmade diagrams or pie charts etc and colour them).</p>
SANSKRIT	<p>सुखार्थिनः कुतो विद्या विद्यार्थिनः कुतो सुखम्*</p> <p>१. पठ् धातु आत्मने पद पांचों लकार याद करके संस्कृत उत्तर पुस्तिका के व्याकरण भाग में सुन्दर रंगों द्वारा लिखिए ।</p> <p>२. संस्कृत भाषा को कम्प्यूटर के लिए सबसे उपयुक्त भाषा माना जाता है इस कथन की पुष्टि करते हुए १० वाक्य ए-४ साइज शीट पर लिखिए।</p>

FRENCH	<p>Bonjour à tous!</p> <p>French dialogues and conversations hold immense importance in today's interconnected world. As a language widely spoken across continents and pivotal in various industries, the ability to engage in French conversation facilitates effective communication, fosters cultural understanding, and builds strong relationships between individuals and businesses. In essence, French dialogue is not just about words; it's about forging connections, bridging divides, and enriching experiences in our global community. Hence, to enhance your skills here is an interesting activity for you.</p> <p>Prepare a comic strip about the conversation between a vender and a buyer. You can choose any shop of your own(imaginary). This activity has to be depicted on an A4 size sheet. For your aide, kindly refer to Leçon 2 “Adverbes de quantité” and “Coin</p>
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	culturel”. Remember, learning a language is not just about grammar and vocabulary; it’s also about embracing the culture and having fun! Bonnes vacances! 🌻
COMPUTER SCIENCE	Worksheet related to python will be attached in the Google Classroom.