

ST. MARK'S SR. SEC. PUBLIC SCHOOL

SUMMER HOLIDAY HOME WORK

CLASS VIII (2023-24)

THEME :

SDG 9 INDUSTRY INNOVATION AND INFRASTRUCTURE

**9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE**



ENGLISH

1. **Making Newspaper:** Students will make a newspaper on A3 size sheets, give a unique name to it, and include the following details:



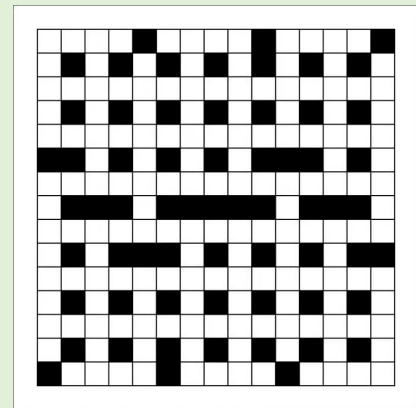
Page 1: Reminiscing Poets and their Poetry (any 1)

- Antony Hope
- Janaki Lenin
- Sir Walter Scott
- Madhur Jaffrey
- Emily Pauline Johnson

Page 2: An article on Sustainable Development Goal – 9 with a suitable Heading

Pages 3 & 4: Creative Corner (related to SDG-9)

- ❖ Crosswords
- ❖ Riddles
- ❖ Poems(haiku/sonnet) (related to SDG-9)



- ❖ Complete all the assignments that have been uploaded on the school portal.
- ❖ A lot of suggestions for books that you can read and movies that you may enjoy from different genres are given. Try and read at least one book from each genre and watch a few of the suggested movies in your spare time.

SUGGESTED BOOKS

| S.NO. | BOOK NAME |
|-------|----------------------|
| 1. | Watership Down |
| 2. | Counting by 7s |
| 3. | The Outsiders |
| 4. | The Hobbit |
| 5. | Anne of Green Gables |
| 6. | Speak |
| 7. | Bridge to Terabithia |
| 8. | Bud, Not Buddy |
| 9. | Coraline |
| 10. | The Graveyard Book |



SUGGESTED MOVIES

| S.NO. | MOVIE NAME |
|-------|--------------------------|
| 1. | Ferris Bueller's Day Off |
| 2. | Finding Nemo |
| 3. | The Karate Kid |
| 4. | The Goonies |
| 5. | The Lion King |
| 6. | Frozen |
| 7. | Boyhood |
| 8. | Eighth Grade |
| 9. | Zootopia |
| 10. | A Cinderella Story |
| 11. | Pitch Perfect |



HINDI

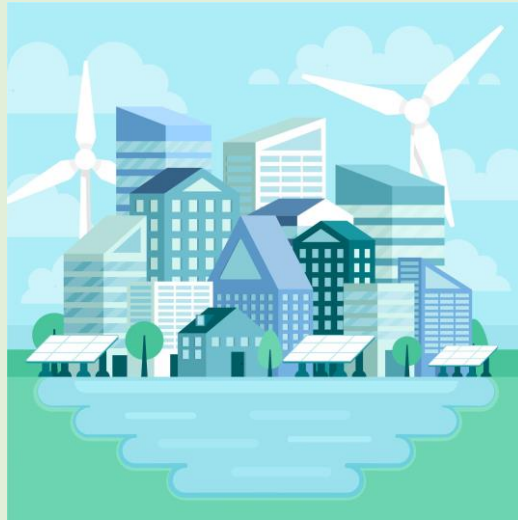
उद्योग नवाचार और बुनियादी आवश्यकता कार्यक्रम (SDG 9)

- ❖ शिक्षा के क्षेत्र में सूचना और संचार प्रौद्योगिकी (आईसीटी) के महत्व को स्पष्ट करते हुए एक कविता लिखें ।
- ❖ शिक्षा के क्षेत्र में बढ़ावा देने वाले सूचना और संचार प्रौद्योगिकी के साधनों की सूची बनाते हुए उनकी संक्षिप्त जानकारी सचित्र लिखें । (रडियो, इंटरनेट ,टेलीविज़न ,फेसबुक , मोबाइल, कंप्यूटर इत्यादि)
- ❖ उद्योग नवाचार और बुनियादी आवश्यकता कार्यक्रम (SDG 9) पर एक आकर्षक पोस्टर बनाइए।

नोट :

- ❖ कार्य स्वच्छता से अथवा आकर्षक ढंग से पूर्ण करें ।
- ❖ दिया गया कार्य स्क्रेप फाइल में किया जाएगा ।
- ❖ कार्य को पूर्ण करके देने की तिथि 3 जुलाई 2023 है ।

MATHEMATICS



The theme of India's G20 Presidency- “Vasudhaiva Kutumbakam” or “One Earth One Family One Future” is drawn from the ancient Sanskrit text of the Maha Upanishad. The theme affirms the value of all life- human, animal, plant and microorganisms and their interconnectedness on the planet Earth.

Making cities sustainable, resilient, inclusive with a people centric approach was the major theme discussed in G20 meet.

- ❖ Make a model on Sustainable city showing use of Solar Energy, Rainwater harvesting, conservation of resources etc. Innovation in infrastructure should be the key point while preparing sustainable and smart city.
- ❖ The model designing should include the concepts of symmetry, 3D shapes, congruency of figures and any other mathematical concepts. (Use Eco friendly material)

SCIENCE



Sustainable Development Goal 9. INDUSTRY INNOVATION AND INFRASTRUCTURE

The goal is to build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

The following summer project will carry marks and should be submitted as per the given instructions. You may choose any one from the given list.

1. Watch the video on Landfills: <https://youtu.be/lsyg472MQp8>.
2. Study a landfill infrastructure and design . Find out the segregation process of nonbiodegradable synthetic plastics starting from your home. Submit a report on your findings.
3. Write blog post on Plastics Industry The Hidden Cost Of A Plastic Planet
4. Prepare up to 25 slides on: Green Industrial Solutions and Innovation for the given topic :

Green plastics: sustainable solution to petroleum based synthetics

OR

bacterial cellulose: an emerging biomaterial.

SOCIAL SCIENCE



Sustainable architecture is a new Global approach towards building structures by using processes which are environmentally responsible and resource efficient from planning to design. Buildings with such architecture are referred to as green buildings. A **green building** is an environmentally sustainable building, designed, constructed and operated to minimise the total environmental impacts.

Activities:

1. Make a collage of prominent green buildings in India and around the world. Make it as creative as possible.
2. Provide a detailed study on different methods used in the construction of a green building to ensure its sustainability.
3. Prepare a comparative study between a traditional building and a green building.
4. List different type of material and elements used in a green building.

NOTE : To be done in a scrap file

SANSKRIT

पर्यावरणविषये कानिचन दश श्लोकानि अर्थचित्रसहितं लिखत।

निर्देश- प्रदत्तकार्य को सभी छात्र स्कैप फाइल में करेंगे।