



Summer Holidays are a time that provides opportunities to students to relax, rejuvenate, learn new skills, and inculcate family values amongst them. The vacay brings along hours of happiness, days of fun and ample scope to indulge in and explore life skills such as cooking, cleaning, managing money and organizing time. To facilitate optimum utilization of children's time and facilitate research-based learning, holidays homework has been crafted by experienced minds of the school faculty. This homework is trans-disciplinary in nature and aims to ensure that students are able to learn at self-pace and gain insights amongst them about various aspects of the theme, as given below:



The Viksit Bharat programme was launched by the Prime Minister in December last year. It aims to give a platform to the youth to “contribute thoughts to the vision of Viksit Bharat @2047 — the idea of a developed India by 2047, the 100th year of Independence”.

Holidays allow children to have quality family time, which is equally important for their growth and development, as is learning in school. Under the Parent-Teacher Partnership programme run by DAV Centenary Public School, here are some guidelines for the parents, keeping in view the interest of students.

PROPOSED TIPS FOR PARENTS:



- Eat meals with children.
- Involve children in cooking food.
- Indulge in Digital Detoxing. Parents and children both to use gadgets to minimal extent.

- Visit grandparents' house and allow them to spend time together.
- Take them to your workplace, if possible, let them realize how hard you work to earn for the family.
- Visit local markets.
- Allow children to visit parks, play outdoor games in evening time.
- Read story books/novels with them, play folk songs, indulge in newspaper, magazines and comic reading with them.
- Avoid junk food and feed them the healthier and tastier delicacies.
- Let them help you in household chores.
- Meditate together. Thank Almighty for giving you such amazing children.

GUIDELINES FOR STUDENTS:

Dear Students, Please find below important guidelines for doing your holidays homework:

- All tasks of holidays homework (except for 3D models, if any), to be done on A4 size sheets.
- Please follow the colour scheme for subjects. Use the sheets of given colour for doing different subjects' homework:
 - English – PINK
 - Hindi – BLUE
 - Mathematics – PURPLE
 - Science – GREEN
 - Social Science – YELLOW
 - Sanskrit & Moral Education – ORANGE
 - Ai/Computers/Art - WHITE
- All subjects' Holidays Homework to be compiled in ONE RING BINDER FILE. (after checking of sheets done by subject teachers).
- File should be covered properly and should have the information given below on the cover:
Name of the student, Class & Section, Roll Number, HOLIDAYS HOMEWORK, Session: 2024-25
- The first sheet of the file should have following information:
Name of the student, Class & Section, TRANS-DISCIPLINARY PROJECT: THEME – VIKSIT BHARAT
- Second Sheet should include Index. Index to have following columns;
S.No., Name of Subject, Particulars, Page Number, Teacher's Signature & Remarks
- In the end, the students must mention Bibliography, including the sources from where information was gathered.
- Last sheet of holidays homework should be REFLECTION SHEET. The format of Reflection Sheet is given as under:

SELF-REFLECTION SHEET			
	YES	NO	PARTIALLY
Did I enjoy in summer holidays?			
Did I spend time with family?			
Did I learn something new while doing the holidays homework?			
Was the homework interesting?			

The best part of holidays homework (trans-disciplinary project) was -

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This is what I learned after doing the holidays homework (trans-disciplinary project):

- 1.....
- 2.....
- 3.....
- 4.....

Note: Students will submit sheets of Holidays Homework to subject teachers, in separate files / folders.

Compilation of all subject sheets into one RING BINDER FILE will be done by students, after homework is checked by teachers and returned to them.

ENGLISH

Theme: Indigenous Technology

- **Letter to Editor:**

You got an opportunity to visit a fair showcasing indigenous technology for Viksit Bharat .You were really impressed & inspired to see how India is marching towards prosperity & development using indigenous technology. Write a letter to the Editor of The Hindu expressing your views on A-4 size sheets in 100-120 words.

- **POCKET DICTIONARY :**

Do research and make a pocket dictionary of minimum 50 words related to indigenous technology along with their meaning.

MATHEMATICS

"Today the goal of the country is Viksit Bharat, Sashakt Bharat! We cannot stop until this dream of a developed India is fulfilled." - NARENDRA MODI

TASK 1: COVAXIN®, India's indigenous **COVID-19 vaccine** by Bharat Biotech is developed in collaboration with the Indian Council of Medical Research (ICMR) - National Institute of Virology (NIV). Covaxin is one such example of indigenous technology. Research on the process of the

preparation of Covaxin in a group of 3-5 students and make a one year calendar month wise showcasing the relation of Mathematics and Covaxin.

Students may use the graphical representation, data collection or any other creative pictorial way to represent the topic monthwise.(RESOURCES: bharatbiotech.com)

TASK 2: Mathematics aids in urban development, optimizing land use, resource allocation, and sustainable city Design. In a group of 3-5 students, make a model of a city representing the mathematical aid. Also, explain the model in context of above.

TASK 3: Mathematical finance plays a key role in modeling and analyzing financial markets, guiding investment decisions and risk management. In a group of 3-5 students, frame a skit/ role play showcasing about mathematical decisions and highlighting the importance of studying mathematics.

TASK 4: Mathematical algorithms optimize traffic flow, infrastructure design, and transportation systems, enhancing efficiency and connectivity. With the advancement of technologies, roads, flyovers, railways, airways and other means of transportation have increased many fold. In the group of 3-5 students, create a video on apps(like animaker, canva) and showcase the modern traffic flow system and usage of mathematics.

NOTE: Any one task will be allotted to the students.

हिंदी



विषय : विकसित भारत

शीर्षक: स्वदेशी तकनीक – आत्मनिर्भर भारत – अब सूरज दूर नहीं

- पृष्ठ एक - अर्थ एवं उपादेयता (Meaning and Usefulness)
- पृष्ठ दो - लक्ष्य और दूरदर्शिता (Mission and Vision)
- पृष्ठ तीन - विविध आयाम (योजनाएँ) (schemes) एवं आविष्कार एवं प्रोत्साहन (स्टार्ट-अप भारत) (Inventions and inspirations through Start-Up India)
- पृष्ठ चार से आठ – (क) लाभ (एक पृष्ठ), (Benefits)
(ख) योगदान (Contribution) (तीन पृष्ठ) (विविध क्षेत्रों में- विज्ञान, कृषि, इंटरनेट, वाहन, ऊर्जा, विशेषकर महामारी के दौरान, अरोग्य क्रांति (बंगनी क्रांति) आदि)
(ग) महत्व (Importance) (एक पृष्ठ)
- पृष्ठ नौ – वैश्विक प्रभाव (Globally Impact)
- पृष्ठ दस – (i) स्वदेशी तकनीक की चुनौतियाँ (Made in India's Barriers/Challenges)
(ii) 'भारत में बनाओ' तथा 'भारत में निर्मित' के अंतर को वेन आरेख द्वारा स्पष्ट कीजिए।
(Make in India and Made in India- Distinguish through Venn Diagram)

रचनात्मक कार्य लेखन:

- अनुच्छेद लेखन : स्वदेशी तकनीक : आत्मनिर्भर भारत
- ई-मेल लेखन : स्टार्ट-अप इंडिया के निदेशक को अपने पेटेंट आविष्कार के आधार पर 'स्टार्ट-अप इंडिया' उत्सव में भाग लेने हेतु अपनी उपादेयता बताते हुए ई-मेल लिखिए।
- समाचार पत्र निर्माण – विद्यार्थी भारत में तकनीकी विकास को अपने द्वारा निर्मित समाचार पत्र के माध्यम से दर्शाएँगे। (सुझाव : इसके लिए विविध क्षेत्रों में रोजगार के अवसर प्रदान करने हेतु लाई गई नई योजनाएँ, सूचकांक, जियो ग्राफ व समाचारों को लिया जा सकता है। विद्यार्थी अपने समाचार पत्र का नाम आदि भी अपनी पसंद का रख सकते हैं।)

निर्देश: 1. विद्यार्थी शोध की प्रक्रिया के माध्यम से परियोजना कार्य संपन्न करेंगे।

2. कार्य रचनात्मक, मौलिक एवं आकर्षक होना चाहिए।
3. मुख्य पृष्ठ रचनात्मक एवं सुंदर होना चाहिए तथा विवरणिका(index) में सभी बिंदुओं का समावेश अनिवार्य है।

SCIENCE

Preserving traditions empowering future: Exploring India's Indigenous technology

Promoting 'Indigenous Technologies for Viksit Bharat' will help address challenges for the betterment of the entire world, and emphasize the importance of making India 'Atmanirbhar' through science.

To promote, Indigenous Technologies for Viksit Bharat' Students of Class 10 are required to make a project report on “**India's Indigenous medical system**”.

Guidelines of the project: Students have to mention following points in project report:

- What is Ayurveda ?
- History of Ayurveda.
- Make 3-D logo of Ayurveda on A-3 size sheet
- Chemistry of Ayurveda (Paste any five dry pictures of Ayurvedic herbs and mention their medicinal values).
- Importance of Ayurveda in Indian culture and Heritage.
- Globalization of Ayurveda.

General instructions:

Make a project report on coloured A-4 size sheet at least of 10 pages and support the project report with relevant pictures.

SOCIAL SCIENCE

TASK 1: Make a project on Consumer Awareness or Social Issues or Sustainable Development.

(For CBSE PROJECT Read instructions given in Annexure III of CBSE CURRICULUM (2024-25)).

Theme - Indigenous Technologies

TASK 2: Make a research project on Green Energy Revolution - World Largest Green Energy Park in Gujarat.

संस्कृतम्

विषयः - विकसितं भारतम्

मुख-पृष्ठः - स्वदेशी तकनीकः (indigenous Technologies)

पृष्ठः प्रथमः - आत्मनिर्भर भारत-सन्दर्भे एकसमाचारपत्रस्य निर्माणं कुर्वन्तु ।

पृष्ठः द्वितीयः - सचित्रम् दश - दिनानां समाचार - लेखनम्

पृष्ठः तृतीयः - त्रयाणां कवीनां जीवन परिचयः (पञ्च - षट् वाक्येषु) सचित्रम् लिखन्तु।

निर्देशाः -

➤ कार्यं रचनात्मक- मौलिकं भवितव्यम् ।

➤ प्रदत्त - कार्यप्रपत्राणि कुर्वन्तु, संस्कृतस्य पञ्जिकायां च स्थापयन्तु ।

ART EDUCATION

1. Make two folk art paintings in your Art file of size 10"X 12" with acrylic colours/ poster colours.
2. Make a photo frame in Lippan Art. Size should be 10" X 12". You can use MDF board/ ply board.