

**SELAQUI INTERNATIONAL SCHOOL**  
**HOLIDAY HOMEWORK**  
**SUMMER VACATION 2019-20**  
**(CLASS VIII)**

**THEME- ENVIRONMENT**

Dear parents,

Happiness is in the air. Long awaited summer holidays are again ready to welcome you with the warm showers.

Life needs to be balanced between fun and work. Summer holidays give students a chance to relax. During these breaks leisure replaces work as a priority. You are filled with the enthusiasm to explore, travel and learn. Besides relaxing the students must keep in mind that they need to plan execution of assigned work.

Motivate your ward to interact with knowledgeable books that would lead their minds to grow exclusively and effective manner. We are introducing a new concept called the “Inter Disciplinary Approach” in this holiday assignments. An Integrated Inter Disciplinary – project connects different areas of study by cutting across subject borders and emphasizes on unifying concepts. The students will be able to closely relate to the content and make real world connections by doing such Integrated Multi-Disciplinary projects. The project based learning is a happy by-product of this methodology and it makes the school more interesting and productive for both the students and teachers.

- **KEEP YOUR SON/DAUGHTER AWAY FROM USING PHONES LATE NIGHT.**
- I would suggest that parents encourage their children to complete their assignments early (ideally, before you go for your vacation trips)
- Parents can best assist the process of learning by providing a consistent support, a fixed time and a quiet place to your child to complete his/her homework and by showing interest in it.
- Please make sure that your child is in touch with their text books during the vacation. Regular reading and revision must be a part of their daily routine.
- Encourage your child to read as many story books as possible and help them to maintain a personal library. Take them to a book shop and allow them to buy books.
- Converse with them in English and acquaint them with new words every day.

**ENGLISH**

**INSTRUCTIONS**

The assignment should be written on project sheets and put in a file labeled properly with headings, done neatly.

1. Read a book of your choice and write a summary on it.
  - a. Make a list of characters.
  - b. List the character you liked the most and why.
  - c. List of books to read:
    - I. **Matilda**
    - II. **The BFG**
    - III. **My Uncle Oswald**
    - IV. **The Witches**
    - V. **The Boy in the Striped Pajamas.**
2. Complete the grammar worksheet uploaded on the school web page.
  - a. Download a copy and complete the exercises. Make a file for the same which has to be submitted.
  - b. Topics :
    - I. Subject verb agreement. II. Adjectives III. Articles

## HINDI

1. 'ग्लोबल वार्मिंग' पर 200 शब्दों में निबंध लिखिए |
2. 'पौधारोपण' तथा 'जल है तो कल है' (जल संरक्षण) विषयों पर विज्ञापन पोस्टर अथवा स्लाइड तैयार कीजिए |
3. 'प्रकृति' या 'पर्यावरण' विषय पर आधारित कोई मौलिक (रचना) कविता लिखिए |
4. पर्यावरण व पर्यावरण से जुड़े संसाधनों (resources) को बचाने या उनका महत्त्व बताते हुए पाँच स्लोगन लिखिए |
5. एक पौधा लगाइए व अवकाश खत्म होने तक उसका ध्यान रखिये |  
पौधा लगाने और अवकाश समाप्ति से दो दिन पहले तक उसके विकास की तस्वीर लगाएँ | उस पौधे के विषय में पाँच पंक्तियाँ भी गृहकार्य पुस्तिका में लिखें |

## FRENCH

Ex 1:

Step 1: Draw an imaginary picture of a monster in various colors.

Step 2: write a sentence describing the color of each body part. It reinforces "est," "sont," and adjective/noun agreement.

Example : Ses oreilles sont bleus.

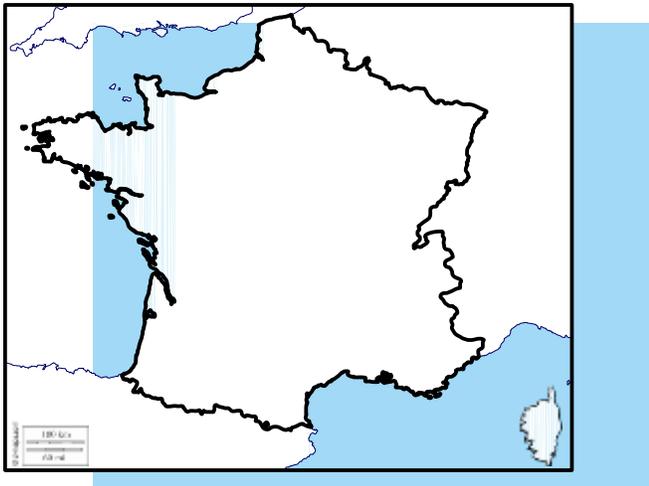
Ex 2:

**Make a collage of monuments of Paris.**

Ex 3

**Mark the following in the outline map of France.**

- a) 4 important cities
- b) 4 important rivers
- c) 2 important mountains
- d) Water bodies around France



## MATHEMATICS

**Note: 1. Chose one of the project as your holiday homework.**

**2. Use colored chart paper to represent the data.**

**Q1.** Find the forest area of any 10 states of India. From this data draw frequency distribution table, bar-graph and pie chart.

**Q2.** Ask at-least 5 of your friends (including you) that how many different places they have visited which was surrounded by natural beauty. Collect the data and make frequency distribution table, bar-graph and pie chart for the same data.

**Q3.** Find the gardening area of your 10 of your relatives and make frequency distribution table, bar-graph and pie chart for the same data.

## SCIENCE

### PHYSICS & CHEMISTRY

**(Any queries can be addressed to: [sahil.bhardwaj@selaqui.org](mailto:sahil.bhardwaj@selaqui.org))**

**Research project on bio mimicry or biomimetic**

**(Innovations inspired from nature)**

*Bio mimicry* as defined by Janine Benyus is "a new science that studies nature's models and then imitates or takes inspiration from these designs and processes to solve human problems".

- **Your holiday assignment is to think of an example where bio mimicry or biomimetic can be used and present it in the form of a power point presentation or a sway.**
- **Please follow the steps given below:**

Step 1– Students are advised to visit the links given and read the articles and watch the videos available at those links.

Step 2 – Think of an example where bio mimicry can be used and present it in the form of a power point presentation or a sway. (Please do not plagiarize the content matter – Plagiarizing is copying information from the internet sources directly).

Step 3 – The Presentation submitted must be in the following order: **(The number of slides in the power point presentation should be at least 10).**

- **Slide 1 –**
  - a. Title
  - b. Your full name
  - c. Submitted to Mr. Sahil Bhardwaj
  - d. Department of Science
  - e. SelaQui International School
- **Slide 2 – Abstract** (*An **abstract** is a brief summary of a research article or any in-depth analysis of a particular subject and is often used to help the reader quickly ascertain the purpose of the research) – in 5 to 10 lines).*
- **Slide 3 – Contents/Index**
- **Slide 4 – Introduction – What is bio mimicry?**
- **Rest of the slides –** The rest of the research (do use pictures, diagrams, etcetera, to convey your idea well. You can even draw something on a piece of paper and click a photograph of it and then add it to your presentation )

**Useful Links:**

1. **Definition**  
<https://dictionary.cambridge.org/dictionary/english/biomimicry>
2. **Video reference**  
[https://www.ted.com/talks/janine\\_benyus\\_biomimicry\\_in\\_action/up-next](https://www.ted.com/talks/janine_benyus_biomimicry_in_action/up-next)

3. Wikipedia reference - <https://en.wikipedia.org/wiki/Biomimetics>
4. <https://biomimicry.org/what-is-biomimicry/>
5. <http://www.gdrc.org/uem/anthill.html>
6. Further video references for the inquisitive ones. <https://www.ted.com/topics/biomimicry>

Bio mimicry example – (Think of an example other than this one)

- <http://earthsky.org/earth/sunni-robertson-on-how-a-kingfisher-inspired-a-bullet-train>
- <https://asknature.org/idea/shinkansen-train/#.WwAPy9lwi1s>

### BIOLOGY

- List 10 items in your house that are made of plastic paste pictures of them.
- Making a herbarium collect 10 plants from your vicinity.
- Collect 10 different types of seeds and put them in small plastic bags. Paste and label them in a scrap book also mention the types of crop it is and in which season is it sown.

### SOCIAL STUDIES

<b>Aarav Sharma</b>	<b>On an outline map of India mention the areas which were under permanent settlement, ryotwari settlement, mahalwari settlement.</b>
<b>Avaneesh Gupta</b>	<b>INDUSTRIES 1. Give 2 examples of the following in the space provided:- i. Raw materials _____ and _____. ii. End products _____ and _____. iii. Jactiary aetiities _____ and _____. iv. Ageo based industries _____ and _____. v. Cottage industries _____ and _____. vi. Cooperatives _____ and _____. 2. Distinguish between the following:- i. Ageo based and mineral based industing. ii. Public sector and joint sector industry. 3. Explain the leather manufacturing and industry with examples. 4. What is an industry system? Explain the different aspects of on industrial system are examples. 5. What are the pits, processes and oil puts of Leon and steel industry? 6. What do you understand by the term prevention ichthyology? 7. Classify the industries on basis of low materials used, their size and shipwrite examples. 8. Explain the factors which influence the location of industries? 9. Why are leon and steel important for the growth of codex canalization? 10. Why is Ahmedabad referred to as the 'Manchester of India'</b>
<b>Ayushmaan Pandey</b>	<b>Collect the pictures of the reformers associated with the educational reforms in India? Write down a brief description of their achievements.</b>
<b>Chetanya Taluja</b>	<b>Collect the pictures of 20 major monuments of India and paste them in a scrap book. Describe the</b>
<b>Dhurav Agarwal</b>	<b>Make a set of rules and regulations for your class and holding house which you can adopt as your constitution. Which rules are unbreakable? Prepare a portfolio.</b>
<b>Diya Chandiram</b>	<b>Collect the pictures and information on pandita ramabai , use them to write an informative article about her work and life.</b>

Kshiraj Luthra	Collect the pictures of the reformers associated with education in India and write down their important work.
Lakshya Jindal	Make a project on 'Changes in Art and Architecture under the colonial rule':- (a) Art, Painting, literature, Theatre, Music, Dance etc. (b) Architecture Grand structures made by British, commercial centre , monuments etc. This is to be done in a project file , also paste Pictures relevant to the topic and make it in a presentable form.
Lakshya Yadav	Make a collage to show the impact on our natural resources due to industrialization , increasing population, illegal trade
Laxmi Bothra	1. Make a project on the topic "Tribals, Dikus and the vision of a Golden age" using the following guide points:- (a) Tribal occupation (b) Tribal life under British Rule. (c) Tribal Revolts (d) Role of Birsa Munda Project should be made in a project file. Paste pictures relevant to the topic.
Manan Verma	Collect the pictures of some important indian and British figures who were part of the revolt of 1857.paste them in your portfolio and write an accompanying paragraph on personalities.
Mashifa Ansari	On a chart paper.Collect the pictures from magazines, newspaper articles related to nationalist movement in India during the time period of 1885-1947.
Mohammad Zaheen Saikh	CHAPTER-4 AGRICULTURE- 1. Give geographical terms for the following :- i. Domesticating animals and moving with them in search of search of fodder and water _____. ii. Cultivation of crops and rearing of livestock done on the same load _____. iii. Growing crops without use of chemicals _____. iv. Genetic modification of seeds to make them were resistance to diseases _____. 2. Explain the following:- i. Nomadic heading. ii. Shifting agriculture iii. Mined forming iv. Plantliok agriculture. 3. Distinguish between:- i. Secondary and tertiary cultivates. ii. Commercial grain farming and plantation agriculture. iii. Periculleese and pisciculture iv. Define agricultural development? How can't be achieved. v. How is an Indian former different than a farmer of US?
Moksh Mehra	Fill in the blanks:- i. _____ is the main crop cultivated in hot and humid regions. ii. _____ agriculture is mostly practiced in the prairies. 2. How can minerals be identified? 3. Explain the different types of minerals? 4. Explain the classification of minerals? 5. How are the minerals refracted? 6. Differentiate between metallic and non-metallic minerals? 7. Name the three types of rocks? Give one example of each? 8. What are the uses of minerals? 9. How are the minerals conserved? 10.Explain the various power resources? 11.How is petrol formed? Name any two products of petroleum. 12.What is Hydroelectricity? How is it produced? 13.Name some source water projects in India? 14.Which company is the greatest producer of nuclear power in the world? 15.What is bio gas? How is it obtained? What are its uses?
Palak Pandey	Draw a labeled diagram of soil profile large enough to display on your

	class board.
Rakshit Jain	Collect pictures of different farming practices and prepare a collage and write down the description for each picture.
Riaz Mahajan	Make a collage on natural vegetation and wild life found in tropical evergreen forests, tropical deciduous forests, temperate evergreen, temperate deciduous, Mediterranean and coniferous forests.
Samridhi Jha	Study the "Revolt of 1857" and make a project. Focus should be laid upon the following; (a) Causes of revolt (b) Outbreak of the revolt (c) Why the revolt failed? (d)Result of the revolt. Make it in a Project file and paste Pictures relevant to the topic .Presentation should be neat .
Sanyam Mehta	On a chart paper draw a flow chart to describe the distribution of major minerals and places where these minerals are found. Iron ore, copper, bauxite, manganese, gold, mica, gypsum. Use (Ncert book)
Shaivya Vats	Collect the pictures of some recent disasters that have taken place anywhere in the world and prepare a collage. Also write down the details, where it happened, what caused it, what was the nature of loss.
Stanzin Chosdan	<ul style="list-style-type: none"> <li>Collect the photograph to make collage on following incidences nuclear bombing of two Japanese cities during WW-II, Bhopal gas tragedy of 1984, terrorist attack on world trade centre.</li> <li>Write briefly about each incident.</li> </ul>
Udayan Mukherji	Collect the pictures of the first prime minister, president, and council of ministers of independent India and latest government ruling in India paste them in your portfolio
Valentina Zhimomi	Cut and paste pictures pictures of five past and present chief justice of India in your portfolio. Also write down the years of their tenure in supreme court.
Vedank Goel	Make a poster on chart paper to highlight the need of fundamental rights and RTE.
Yash Kumar	Prepare following mind maps on A 3sheet. <ul style="list-style-type: none"> <li>Agriculture in india.</li> <li>Crops in india</li> <li>Industries in india</li> <li>Minerals in india</li> <li>Natural disasters in india.</li> </ul>
Yevuka Yeptomi	Complete the following questions in your notebook <ol style="list-style-type: none"> <li>1. Explain the causes and outcomes of three Carnatic wars.</li> <li>2. Define the battle of buxar and Plassey.</li> <li>3. What are the main features of permanent settlement, ryotwari settlement, mahalwari settlement.</li> <li>4. What were the main events of munda rebellion?</li> <li>5. What was the result of santhal hul?</li> <li>6. How was tribal life disturbed by british life.</li> </ol> <p><b>GEOGRAPHY</b></p> <ol style="list-style-type: none"> <li>7. How mountains are useful and how we can conserve water</li> </ol>

	<p>resources?</p> <p><b>8. Describe conventional and non-conventional type of energy resources?</b></p> <p><b>9. Explain the difference between intensive and extensive farming?</b></p> <p><b>10. Give an account of wheat and rice cultivation.</b></p> <p><b>11. What is a large scale industry? What are public and private sector industries?</b></p> <p><b>12. What factors decide the location of a factory?</b></p>
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### PHYSICAL EDUCATION

- In a file write down a game/sport of your choice. Draw the field/diagram of playing field area.
- Mention the major terminologies used in the game/sport along with major national and international tournament, important awards, famous personalities.
- Paste the pictures also.