

SELAQUI INTERNATIONAL SCHOOL
HOLIDAY HOMEWORK
SUMMER VACATION 2018-19
(CLASS VII)

Dear Children, We are sure that all of you would have made plans for a fun filled summer vacation. We hope you enjoy your long break with your parents, family and friends. Try to utilize your time in such a way that you will be able to sharpen your intellect as well as tone up your body. Read, play and enjoy! 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.

GUIDELINES FOR THE PARENTS

- ✓ 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.

General Instructions:

- ✓ Holiday Home Work of all the subjects needs to be done in the Folder/Scrap book /Project file as mentioned for each subject.
- ✓ Folder/Models are to be made neatly mentioning your name, class, subject and topic clearly.
- ✓ Holiday Home Work of all the subjects need to be submitted to concerned teacher on the day the school reopens after summer break.
- ✓ Please remember that Subject Enrichment Assessment will be marked/assessed on these Holiday Home Work, hence it should be taken seriously.

REGARDS

Sahil Kumar (CLASS TEACHER)

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ENGLISH

1. Q.1 A woman is like the sun..... She illuminates the entire family" Make a collage on the importance of your mother in your family. Also in a few sentences, highlight how you can help share her responsibilities.

□ □ □ □ □

THEME - ऊर्जा संरक्षण (ENERGY CONSERVATION)

1. रसोईघर में रसोई गैस के इस्तेमाल में ऊर्जा संरक्षण को लेकर माँ और आपके बीच संवाद लिखिए। (10 डायलॉग्स)

2. अपने मित्र को पत्र लिखकर पेट्रोल/डीजल ईंधन की बचत के लिए कार-पूल तथा पब्लिक ट्रांसपोर्ट के प्रयोग की सलाह दीजिए ।
3. ऊर्जा संरक्षण (ENERGY CONSERVATION) विषय पर एक चित्र बनाइए । (चार्ट-पेपर का प्रयोग करें) ।
4. अपने आवासीय विद्यालय में बिजली बचाने के प्रति विद्यार्थियों को जागरूक करने के लिए एक विज्ञापन तैयार कीजिए ।
5. ऊर्जा संरक्षण (ENERGY CONSERVATION) के कोई पाँच उपाय लिखिए । (60 से 80 शब्द)
6. ऊर्जा संरक्षण (ENERGY CONSERVATION) से सम्बंधित कोई 50 शब्द लिखिए।

FRENCH

Visionnez la vidéo sur la conservation de l'énergie en cliquant sur le lien ci-dessous et écrivez et dessinez 10 conseils pour économiser l'énergie.

After watching the video on YouTube by clicking the below link, draw pictures of 10 energy saving tips in a scrap book and write the instructions in French for each picture in French.

<https://www.youtube.com/watch?v=HtVwAYu6Q00>



MATHS

ENERGY CONSERVATION

SOLAR ENERGY PANELS

If we could collect and store all the energy we get from the Sun in one minute, we would have enough energy to power the Earth for a whole year!

Did you know that at least 40% of electricity that is generated is lost in transmission? And all this, while the sun shines merrily on and we do nothing more than bask in its warmth.



The most common use of solar energy is to dry clothes. Solar cookers have been around for a while and it is a treat to watch people (especially in North India) place their 'rajma' (lentils) and 'chawal' (rice) in the large glass cases, and have it cook as if by magic. The magic is called harnessing. Solar energy is perennial and costs nothing. The only costs are the installation and maintenance of solar panels.

1. Which are the top 10 largest solar power plants in India with their capacities? Represent in the form of a table.
2. Which are the world's top 10 solar energy producing countries? Represent in the form of a table.
3. What is the approximate cost of installing a solar power panel in your school? How much energy does your school require in one year? Can it be fulfilled by solar panels in your school area?

SCIENCE

(Any queries to be addressed to: sahil.bhardwaj@selaqui.org)

Project on Carbon Footprint

Practically everything we do uses energy. We need it for lights, stoves, refrigerators, hot water, heating, air conditioning, cars, trucks, planes, and to make toys, electronics and lots more. **Where do we get this energy from?** Mostly from oil, natural gas, and coal. These things are dug out of the Earth. There is a limited amount of each, so in the future, we will run out of them. That's one reason to be careful how we use energy. Another reason to be careful about wasting energy is that when we burn gas, oil and coal, we create pollution that causes global warming and smog. So, using less energy means a cleaner environment.

Imagine you are walking down the beach in bare feet what happens? You leave footprints in the sand which are from the impact of your foot on the sand. **What do you think a carbon footprint is?**

A carbon footprint means the amount of energy that you consume during your day to day activities and therefore the carbon footprint is a measurement of the impact you are having on the Earth. The more impact we make the less resources are available for other people and the more harm is done to the planet on which we depend. Oil, coal and gas are fossil fuels meaning they come from the fossilized remains of ancient plants and micro-organisms. They are full of carbon and so when we burn them they emit carbon dioxide into the atmosphere. The bigger your carbon footprint the more energy you are using and also the more pollution you are causing. **The easiest way to use less energy is to conserve it. That means not using energy we don't need.**

- **Your holiday assignment is to prepare a report which includes all the following:**
 - **What is carbon footprint?**
 - **How does carbon affect the atmosphere?**
 - **Ways to reduce carbon emissions? (Mention at least 4 ways)**
 - **What are carbon offsets?**

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

Step 2 – Please do not plagiarize the content matter – Plagiarizing is copying information from the internet sources directly. **You can include pictures, diagrams, etcetera** in your report.

Step 3 – The Report submitted must be in the following order: **(The number of pages in the report should be at least 10).**

- **Page 1 –**
 - a. Title
 - b. Your full name
 - c. Submitted to Mr. Sahil Bhardwaj
 - d. Department of Science
 - e. SelaQui International School
- **Page 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*).
- **Page 3 – Contents/Index**
- **Page 4 – Introduction – What is a carbon footprint?**
- **Rest of the pages –** The rest of the research (do use pictures, diagrams, etcetera, to convey your idea well).

Useful Links:

1. Video reference

<https://www.youtube.com/watch?v=DKDq1RMHscQ>

2. **Wikipedia reference -**

https://en.wikipedia.org/wiki/Carbon_footprint

https://simple.wikipedia.org/wiki/Carbon_footprint

http://www.appropedia.org/Carbon_footprint

NOTE: After completion, please email your presentation to: sahil.bhardwaj@selaqui.org

SST

Quarries to be addressed at - sahil.kumar@selaqui.org

1. **Read the chapter 19 –“OCEAN WATER AND ITS CIRCULATION” and explain how tides and waves are used to generate electricity. For references use http://inventors.about.com/od/tstartinventions/a/tidal_power.htm**
2. **Prepare a scrapbook and explain high tide, low tide, spring tides, neap tides, ocean currents, warm currents and cold currents with the help of diagrams and information from internet.**
FOLLOWING LINKS CAN BE USED-
<https://www.youtube.com/watch?v=cmysAmXGqlk>
<https://www.youtube.com/watch?v=0Ye5CYtAC3A>
<https://www.youtube.com/watch?v=DJZA1AmotH4>
3. **MAP WORK – on an outline map of the world mark all the prominent warm and cold currents. Use red color for warm currents and blue color for cold currents.**

COMPUTER

Topic

Activity

Skill Enhanced/ Learning Outcomes

Energy Conservation

Activity-2 : Energy Conservation

Search on Internet, book and magazines about Energy Conservation. Make a presentation in Sway or MS PowerPoint on topic – Energy Conservation. Apply formatting effects to make it attractive.

- **Communication**
- **Observation**
- **Critical Thinking**
- **Analysis**

PHYSICAL EDUCATION

1. **Make a PPT on how yoga is helpful in conservation of energy.**