



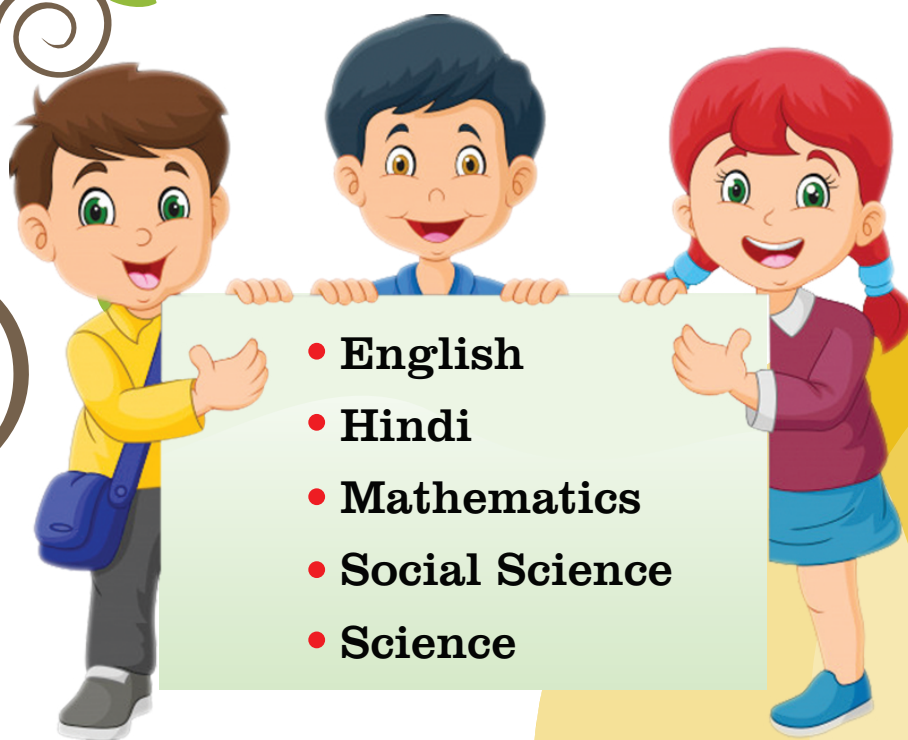
Sun Valley International School

A-1, Sector-1, Vaishali, Ghaziabad

E-mail: sunvalleyinternational@gmail.com | Website: www.sunvalleyncr.in

Holiday Home Work Class-8

Topic:
Environment



- English
- Hindi
- Mathematics
- Social Science
- Science

Dear parents,

It's that time of the year once again, when summers are at the peak and the school is scheduled to close for the vacations. But this year, the lockdown has made remote learning the new normal. It is necessary to add that whatever the students have been taught in these time through our online classes remains crucial and holds utmost importance. You are requested to kindly follow the progress of your ward regularly to help the child cope better in these difficult times. Please find enclosed the consolidated holiday homework designed specially to facilitate the revision and learning of the students.

GENERAL INSTRUCTIONS

- Students must do their homework in their copy. In case it is unavailable A4 sheets etc., can be used.
- The work should be done neatly and in proper sequence.
- It is advised that the completed work is submitted in phases. As clicking too many pictures at the same time can alter the sequence at the time of the upload.
- The work must be submitted in google classroom. The process and the details regarding the same is already briefed to the students.
- In case of any doubts, at any point of time parents / students can communicate (over calls / messages) with the teachers on Fridays and Saturdays between 10 am to 11 am.

ENGLISH

READING

Comprehension - 1

1. Read the given passage carefully & answer the questions that follow:

Every year during the monsoon, Hemant Chowre faces a peculiar situation. On the one hand, he hopes for good rainfall to water his crops but on the other, he is scared, for even a mild shower can destroy his saplings.

Chowre is a 35-year-old farmer in Daregaon, a village in Sakri block of Maharashtra's Dhule district. His 1.5-hectare (ha) farm sits on a gentle slope at the tail of the Sahyadri mountain range, or the Western Ghats, that marks the western periphery of the district. The topography is marked by barren lands, scarce trees and shallow soil.

These are clear signs of desertification which, as per the United Nations Convention to Combat Desertification (UNCCD), is degrading 12 million ha of productive land across the world every year. This is over 80 times the size of Delhi and is enough to grow 20 million tonnes of grain.

Drylands affected by desertification not only lose their ability to support plant life, but also their ability to offer ecosystem services, such as management of water systems and storage of carbon use in global warming. Desertification has occurred throughout history. But what's alarming is that its pace has accelerated 30 to 35 times the historical rate in the recent decades. With changing climate, prolonged droughts and increasing incidences of floods, landslides and frost heaving are in any case reducing the amount of productive land.

Factors like deforestation, wetland drainage, overgrazing, unsustainable land use practices and the expansion of agricultural, industrial and urban areas are the other significant causes of land degradation, said the UN body.

On the basis of your reading of the above passage answer the following questions:

- i. Who is Hemant Chowre?
- ii. In which season Chowre faces a peculiar situation?
- iii. How is the topography of Hemant's farm?
- iv. How much hectare of productive land is degraded every year?

- v. What are the effects of desertification on Drylands?
- vi. List the causes of land degradation.
- vii. Write the synonym of 'frightened' from the given passage.
- viii. Write the antonym of 'disability' from the given passage.

Comprehension – 2

2. Read the given passage carefully & answer the questions that follow:

Plastics are used to make countless everyday products – from bottles to auto bumpers, from homework folders to flowerpots. The problem with plastics is they do not easily degrade. They may break down, but only into smaller pieces. The smaller those pieces get, the more places they can go. Many pieces wind up at sea. Tiny bits of plastic float throughout the world's oceans. They wash up on remote islands. They collect in sea ice thousands of kilometers (miles) from the nearest city. They even meld with rock, creating a whole new material. Some scientists have proposed calling it plastiglomerate.

Exactly how much plastic is out there remains a mystery. Scientists are hard at work trying to find out. One recent study suggests as much as 8 million metric tons (8.8 million short tons) of plastic wound up in the ocean in 2010 alone. Of those millions of tons, as much as 80 percent had been used on land. So how did it get into the water? Storms washed some plastic litter into streams and rivers. These waterways then carried much of the trash downstream to the sea. The other 20 percent of plastic ocean trash enters the water directly. This debris includes fishing lines, nets and other items lost at sea, dumped overboard or abandoned when they become damaged or are no longer needed.

Once in the water, not all plastics behave the same way. The most common plastic – polyethylene terephthalate or PET – is used to make water and soft-drink bottles. Unless filled with air, these bottles sink. This makes PET pollution tough to track. That's especially true if the bottles have drifted to the ocean depths. Most other types of plastic, however, bob along the surface. It's these types – used in milk jugs, detergent bottles and Styrofoam – that make up the abundance of floating plastic trash.

- i. What are the uses of plastic?
- ii. What are the disadvantages of using plastic?
- iii. What happens to the tiny bits of plastic?
- iv. What is plastiglomerate?
- v. How do plastics get into the water?

- vi. Which type of plastic is used in making water and soft-drink bottles?
- vii. Write the synonym of 'fragments' from the given passage.
- viii. Write the antonym of 'solution' from the given passage.

Comprehension - 3

3. Read the following paragraph and answer the following questions:

Global warming changes weather patterns, causing severe weather events, heatwaves, droughts and floods. Climate change is already shrinking glaciers and ice caps, altering the availability of fresh water. It contributes to ocean acidification, destroying coral reefs and other aquatic ecosystems. It makes places uninhabitable for some plants and animals, leading to extinctions and redistribution of species, threatening food production with alien pests and diseases.

The effects of global warming are already bringing harm to human communities and the natural world. Further temperature rises will have a devastating impact and more action on greenhouse gas emissions is urgently required.

Population and climate change are inextricably linked. Every additional person increases carbon emissions. Population growth is also important because it affects the Earth's ability to withstand climate change and absorb emissions, such as through deforestation as land is converted for agricultural use to feed a growing human population. The world's most populous nations, India and China, are among the top contributors to climate change overall, despite lower impacts from each individual than in wealthier countries. While population growth in India and China is now relatively low, people born today in countries whose populations are still expanding rapidly will have a climate impact for generations to come.

- i. What is the cause of change in weather patterns?
- ii. What are the effects of population growth?
- iii. Name the top contributing countries to climate change.
- iv. Why is temperature rise harmful?
- v. How is aquatic ecosystem affected by shortage of fresh water?
- vi. Describe the effects of climate change.
- vii. Write the synonym of 'extra' from the given passage.
- viii. Write the antonym of 'bottom' from the given passage.

WRITING SKILLS

4. Write a story in about 150-200 words with the following beginning and give a suitable ending to it.

Navshree and her parents were travelling by train to Varanasi. When the train stopped at a station, her father got off to buy some magazines. He was paying the shopkeeper when the train started.....

5. You are the president of your school drama club. Write a notice inviting participants to the auditions for the annual production of the drama club.
6. You are Akriti/Ankur. The lockdown has been lifted from your area. Write a letter to your friend describing your lockdown experience in about 120-150 words.

GRAMMAR

7. Fill in the blanks with the most appropriate options from the brackets.

- i. The fragrance of roses _____ refreshing. (is / are)
- ii. She blended the ingredients _____ a churner. (by / with)
- iii. Apple pie and custard _____ my favourite dish. (is / are)
- iv. The quality of the mangoes _____ (is / are) not good.
- v. He is the _____ (good / best) student of the class.
- vi. My spectacles _____ (is / are) lost.
- vii. The baby _____ with bottles as toys. (play / plays)
- viii. My friend along with his parents _____ watching television. (is / are)

8. Fill in the blanks using a suitable word in each blank from the options given below:

Once upon a time there was a man called Smith. He was a green grocer (a) _____ lived in Rome. He (b) _____ brave, handsome and intelligent. He (c) _____ four sons. (d) _____ eldest was called George after the king, and (e) _____ was arranged. He lived (f) _____ 63 years. People (g) _____ very happy during his reign. They still miss him and regard him to be one of (h) _____ bravest king of all times.

- | | | | |
|------------|----------|------------|-------------|
| (a) i. and | ii. who | iii. which | iv. That |
| (b) i. is | ii. was | iii. were | iv. are |
| (c) i. has | ii. have | iii. had | iv. Has had |
| (d) i. A | ii. the | iii. whom | iv. who |
| (e) i. it | ii. is | iii. was | iv. The |
| (f) i. for | ii. with | iii. To | iv. in |
| (g) i. had | ii. was | iii. were | iv. Have |
| (h) i. a | ii. are | iii. the | iv. Who |

9. Rearrange the following groups of words and phrases in correct order to form meaningful sentences:

- i. The coconut is/ of India/ considered auspicious/ in most parts
- ii. It is called/ in South India/ for instance/ Green Gold
- iii. tall tree/ it is a/ with/straight/thick/circular/trunk
- iv. are long/ many sword-shaped leaflets/its leaves/and divided into
- v. likes/Tanya/ wake/ to / early/up.
- vi. large quantities/of warm water/ drinking/ /result in sweating
- vii. people affected/can/ communicate/with limbs/with a paralytic stroke
- viii. the world/the Himalayas/mountains/the highest/are

10. Identify the type of nouns in each sentence:

- i. Ramesh saw a swarm of locusts and ran to safety.
- ii. Hunger made the farmer weary.
- iii. The monitor told the children to keep mum.
- iv. This is made up of plastic.
- v. The crew of the ship was injured in the accident.
- vi. The honesty of the woodcutter impressed the fairy.
- vii. The Ganga flows from the Himalayas.
- viii. The king used to have food in plates of gold.

11. Fill in the blanks with suitable pronoun of the type given in the brackets.

- i. We will be late if _____don't hurry up. (**Personal pronoun**)
- ii. Payal and Priya had baked _____ cakes. (**Reflexive pronoun**)
- iii. Did you see _____? (**Demonstrative pronoun**)
- iv. This cat is_____ (**Possessive pronoun**)
- v. To _____ were you speaking? (**Relative pronoun**)
- vi. _____ clothes are on the floor? (**Interrogative pronoun**)
- vii. The men are fighting _____. (**Reciprocal pronoun**)
- viii. We made this pie _____. (**Emphatic pronoun**)
- ix. I want _____ to help me. (**Indefinite pronoun**)

LITERATURE

12. Read the chapter 'The Best Christmas Present in the World' from Honeydew and answer the following questions.

- i. Write a character sketch of Jim Macpherson.
- ii. Write a summary of the content of the letter found by the author.

13. Read the chapter 'The Tsunami' from Honeydew and answer the following questions.

- i. Identify the main characters of the story and write about them.
- ii. What is the moral of the story?
- iii. What is depicted in the given picture? Explain its effects with reference to the chapter.



The link for Honeydew book is given below:

<http://ncert.nic.in/textbook/textbook.htm?hehd1=0-10>

Revise Syllabus completed till date
Literature – A boy's best friend, Where the mind is
without fear, The Silver Lining
Grammar – Nouns, Pronouns
Writing – Notice Writing, Informal Letter

हिंदी

प्र०1. निम्नलिखित विषय पर संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए-

प्रकृति से खिलवाड़: मानवीय अपराध

संकेत बिंदु:

i. मनुष्य तथा प्रकृति का अटूट संबंध

ii. प्रदूषण प्रकृति का दुश्मन

iii. प्रकृति की रक्षा मानव की सुरक्षा

विशेष- अनुच्छेद में आए किन्हीं 5 जातिवाचक संज्ञा से भाववाचक संज्ञा बनाइए।

प्र०2. आपके विद्यालय में आयोजित 'वृक्षारोपण समारोह' में अपनी सक्रिय भागीदारी, अनुभव और वृक्षारोपण के लाभ की जानकारी देते हुए अपने मित्र को पत्र लिखिए।

विशेष- पत्र में आए किन्हीं दस शब्दों को चुनकर उनके दो-दो पर्यायवाची शब्द लिखिए।

प्र०3. 'पर्यावरण संरक्षण' की जानकारी देते हुए पोस्टर तैयार कीजिए एवं प्रेरित करता हुआ स्लोगन लिखिए।

प्र०4. वर्तमान समय में वाहनों तथा कारखानों का प्रयोग बंद होने से पर्यावरण में आए सकारात्मक परिवर्तनों के विषय में चर्चा करते हुए दो पुरुषों के मध्य होने वाला संवाद लिखिए।

विशेष- संवाद में प्रयुक्त किन्हीं 5 शब्दों से संबंधित मुहावरे लिखिए।

प्र०5. दिए गए चित्र को देखकर अपने मन में उभरे भावों का वर्णन अपने शब्दों में कीजिए-



विशेष- आपके द्वारा किए गए चित्र वर्णन में से किन्हीं 5 शब्दों को चुनिए और उनके विलोम शब्द लिखिए।

प्र०6. पाठ्य पुस्तक के पठित पाठों एवं व्याकरण विषयों का अभ्यास कीजिए।

वसंत- पाठ 1 से 4 तक
अमृत संचय - पाठ 1 और 2
व्याकरण - पाठ 2
पर्यायवाची शब्द, विलोम शब्द
रचनात्मक लेखन: अनुच्छेद लेखन

MATHEMATICS

General Instructions:

- ☐ Q8, 9, 10 are activity based questions. So you could paste the newspaper cuttings also to support your data.
- ☐ You could use your creativity in your way.

- Q.1. Approximate distance between Earth and the Sun is 0.000016033 light years . Represent this distance in
- i. Standard form
 - ii. Exponential form
- Q.2. The basin size of Ganga River is 1,320,000 km² Write it in
- i. Standard form
 - ii. Exponential form
- Q.3. During floods a team of NDRF rescued 15 villagers stuck at the river bank. They had a rope 170 m long? They cut two pieces of lengths $\frac{13}{5}$ m and $\frac{33}{10}$ m are cut off. What is the total length of remaining rope?
- Q.4. A car is moving is moving at an average speed of $\frac{202}{5}$ km/h. How much distance will it cover in $\frac{15}{2}$ hours?
- Q.5. If a car emits 7mg carbon particles per hour. How much time will it take to emit a 16807mg carbon particle?
- Q.6. A farmer has a Square field whose each side measures $\frac{17}{2}$ meters? If 8 kg rice is produced per square meter area, then find how much rice will be produced in the total area of the field?
- Q.7. Total 256036 plants are to be arranged in such a way that the number of plants in each row is the same as the number of plants in each column. How many plants are arranged in a column.
- Q.8. According to the latest survey in June 2019 Top 5 countries which are using solar energy for electricity generation are Germany, China, Italy, Japan, The USA. Find the electricity produced by these countries and represent them in exponential form.
- Q.9. A report produced by the International Resource Panel says resources extraction increased from 22 billion tons in 1970 to 70 million tons in 2010 and represents the data in standard form.

Q.10. Top ten countries with the largest area of productive plantation are China, the United States, Russia, Japan, Brazil, India, Thailand, Vietnam, Indonesia and Sudan. Find the total forest area of any five countries and then find their square root.

Puzzle Time

Q.1. Some small scale industries have shown their products by relating square and square roots. Let's make the correct match.

Cut out the square and square roots at the bottom of the page. Glue them into the box next to their equivalent number.

5	
7	
36	
8	
3	

81	
25	
9	
4	
11	

10	
64	
6	
49	
12	

9^2	$\sqrt{49}$	6^2	$\sqrt{16}$	$\sqrt{64}$	5^2	$\sqrt{81}$	$\sqrt{100}$
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$\sqrt{144}$	$\sqrt{9}$	$\sqrt{25}$	8^2	$\sqrt{36}$	$\sqrt{121}$	7^2
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Q.2. Without creating panic, traffic police of Mangalore used the square root method to intimate the people about the increasing number of accidents due to the careless attitude of youngsters in India. Let's calculate and be careful.

$$\sqrt{144} \times \sqrt{9} = \boxed{}$$

$$\sqrt{25} \times \sqrt{625} = \boxed{}$$

$$\sqrt{64} \times \sqrt{25} = \boxed{}$$

$$\sqrt{16} \times \sqrt{36} = \boxed{}$$

$$\sqrt{4} \times \sqrt{9} = \boxed{}$$

$$\sqrt{400} \times \sqrt{9} = \boxed{}$$

$$\sqrt{0} \times \sqrt{4} = \boxed{}$$

$$\sqrt{36} \times \sqrt{25} = \boxed{}$$

$$\sqrt{49} \times \sqrt{16} = \boxed{}$$

$$\sqrt{16} \times \sqrt{64} = \boxed{}$$

$$\sqrt{64} \times \sqrt{1} = \boxed{}$$

$$\sqrt{100} \times \sqrt{4} = \boxed{}$$

$$\sqrt{121} \times \sqrt{4} = \boxed{}$$

$$\sqrt{324} \times \sqrt{49} = \boxed{}$$

$$\sqrt{49} \times \sqrt{9} = \boxed{}$$

$$\sqrt{25} \times \sqrt{121} = \boxed{}$$

$$\sqrt{25} \times \sqrt{100} = \boxed{}$$

$$\sqrt{144} \times \sqrt{9} = \boxed{}$$

$$\sqrt{81} \times \sqrt{9} = \boxed{}$$

$$\sqrt{625} \times \sqrt{16} = \boxed{}$$

Q.3. Performance of different startups has shown by rational numbers, which are arranged in such a way that if any four startups when merged together will show profit only. So fill the blanks so each row, column or diagonal of startups could be profitable.

Given below is a magic square. Place the numbers $\frac{70}{95}$, $\frac{-121}{-133}$, $\frac{25}{95}$, $\frac{24}{38}$ in the appropriate squares so that sum in each row, column and diagonal is equal.

$\frac{32}{38}$	$\frac{18}{38}$	$\frac{4}{38}$	$\frac{-14}{-38}$
$\frac{-18}{-57}$	?	?	$\frac{104}{38}$
$\frac{22}{38}$	?	?	$\frac{-20}{-95}$
$\frac{1}{19}$	$\frac{-16}{-38}$	$\frac{45}{57}$	$\frac{60}{114}$

Revise the syllabus completed till now.

Chapter 1- Rational Numbers

Chapter 2- Exponents

Chapter 3- Square and square roots

SOCIAL SCIENCE

- **"The thick black clouds of coronavirus have enveloped every part of the world, spreading its aura of terror. And until we wait for the clouds to clear and the bright yellow sun rays to touch our lives, we must look for the silver lining.**

In this case, there is a lot of positivity around us, despite the panic and loss through COVID-19".

Illustrate at least five positive impacts of the COVID-19 pandemic/lockdown on the environment.

- **" The balance of nature depends on the activities of parasites and predators, the majority are species of insects."**

How do microorganisms maintain ecological balance in the environment? Write five points on this.

- **"3Rs (Reuse-Reduce-Recycle) strategy is an approach to reduce the amount of solid waste".**

Make some beautiful decorative items, using 3Rs strategy, by using things like newspapers, plastic bottles, mason jars, earthen pots and wooden sticks etc. For E.g. You can make pots to plant trees, bird feeders or fancy mason jar tumblers.

- **"To be an Environmentalist is to care about the environment and care about life on planet Earth".**

Describe any of the two Indian environmentalists who spent several years of their lives fighting to save the environment. Write short paragraphs about their contribution and achievements. (Like-Sunderlal Bahuguna, Menka Gandhi, Medha Patkar etc)

- **"Revision is not going back and fussing around, but going forward into the process of creation"**

Revise the chapters done in class.



Revise the syllabus completed till now
(History: Ch 1 & 2)
(Geography: Ch 1)
(Civics: Ch 1 & 2)

SCIENCE

Environment plays an important role in healthy living and the existence of life on the earth. This is the home of different species and their dependence on it. Therefore it is important for an individual to save and protect our environment.

1. Go Vocal For Local

This phrase was rightly said by the leaders during the crisis. This initiative was started to rejuvenate the economy. But science too can contribute to it. One such example is of microorganisms like yeast, bacteria, fungi are used to prepare food items, medicines etc.

- Make a chart of at least three microorganisms depicting their use to boost up our economy and help the people to go indigenous.

2. Healing of Mother Nature

- COVID-19 lockdown—A makeover for 'Mother Nature' (Collect information and write how the coronavirus pandemic is affecting the carbon dioxide emissions, the rivers are much cleaner now, the ozone layer is healing, the animals are roaming freely on the streets and nature is healing during the lockdown).
- Support your views by pasting pictures.

3. Locust Attack

The recent locust attack is alarming for agriculture in India but it is a boon to poultry, fish and to the dairy feeds. They are the rich source of high grade protein which is given to obtain superior quality of poultry, meat, fish and dairy products.

- Write in detail about the benefits of locust in the field of animal husbandry.

4. Garbage Disposal

- Collect information about the kind of waste produced in your house daily and how it is disposed of. Find out who collects it and what happens to it thereafter, problems faced at each step and suggest ways to tackle it and take pictures.

5. Prepare A Brief Information About Covid-19 Outbreak

You may include the following points.

- Causal organism
- Origin
- Mode of Transmission
- Symptoms
- Treatment
- Preventive measures, giving DOs and DON'Ts.

**Revise Syllabus completed till now
Chapter 1, 2, 4, 8 and 11**

NOTE

You are requested to ensure that the work assigned during the vacations are completed sincerely. Given the circumstances, the school might not be in a position to revise/repeat all the things already covered due to limited time. Soliciting your kind cooperation in regards of the time.

Keep your mouth tight and masked, just kill the demon to
heal the earth. Be safe & enjoy healthy holidays.