

Manav Sthali School

Summer Holidays Homework

Class IX (2021-2022)

Week 1

Harvest festivals are celebrated worldwide at different times of the year. It is a time when farmers thank Mother Nature and celebrate the joy of a successful harvest. Study the harvest festivals celebrated in the given country (see table below) and compile your research work in the form of a *power point presentation* (in groups of 5).

Class/Section	Country
IX A, IX B, IX C	Indonesia
IX D, IX E, IX F	Italy
IX G and IX H	India

Following topics should be discussed in the presentation with reference to harvest festivals of the given country:

- SLIDE 1: *Title – ‘Relearning Global Sustainability Through Harvest Festivals’(IDS Activity 3)* and names of group members and school name
- SLIDE 2: *Study Area - Indonesia/ Italy/ India (According to section, as given in table above) and Name of Harvest Festival*
- SLIDES 3 AND 4: History related to the harvest festival of given country.
- SLIDES 5-7: Culture, traditions, rites and costumes of people involved.
- SLIDES 8-9: Traditional agricultural practices associated with harvest festival of given country
- SLIDES 10-11: Significance of harvest festivals in promoting sustainable development
- SLIDES 12-13: Negative impact of modern farming methods on health and environment
- SLIDE 14: Explain about *SDG 12: Responsible consumption and Production*
- SLIDE 15: *Conclusion – Discuss how integration of traditional agriculture practices with modern agriculture is the necessity of current scenario (Sustainable agriculture)*

Subjects Covered – English, Science, Social Science, Information Technology, Artificial Intelligence

Week 2

ENGLISH

Q1. Read the passage given below and answer the questions that follow:

In spite of the annoying years of pulling children out of bed and coaxing them to go to school, young children have an internal drive to comprehend their world, and become industrious and productive individuals. Their educational eagerness and curiosity can either be stifled or encouraged by parents, teachers, and other adults. Aware parents can encourage their children development of important life skills. Besides teaching them to read and write, school and home environments teach children cooperation and interdependence. Children also engage in important play rituals (like playing with dolls or cops and robbers) which prepare them for adolescence and adulthood. Supportive parents can promote crucial learning of life skills. Above all, school-age children struggle with feelings of inferiority and incompetence when they compare themselves with their friends. If they don't fit in, they might feel insignificant. Loving and accepting parents help these children develop the confidence to create a future where they can thrive and feel good about themselves. But many tendencies that trouble parents when they appear are likely to be transitory, and sometimes too much direct attention to them only fixes a child's attention upon them. At all events, adults too easily assume their own habits and wishes as standards, and regard all deviations of children's impulses as evils to be eliminated.

1. Young children have an internal drive to:
 - a) Understand their world
 - b) Procrastinate
 - c) Avoid their world
 - d) Not go to school

2. When students compare themselves with their friends
 - a) they learn new things
 - b) they feel special
 - c) they become extroverts
 - d) they feel less important

3. Which of the following is the antonym of the "industrious" as used in the passage?
 - a) Hard working
 - b) Diligent
 - c) Laborious
 - d) lethargic

4. Children have an optimistic feeling about themselves if
 - a) They have many friends
 - b) Parents compare them with their peers
 - c) Parents are loving
 - d) Teachers and parents are scornful

5. For parents, incorrect habits are those
 - a) that are not followed by majority people
 - b) that they see other children doing
 - c) that deviate from what they themselves did
 - d) All of the above
6. What is the inconsistency, related to school, in young children?
7. What is the assistance offered by games in the life of a child?
8. Which word in the passage is the synonym of the word 'inquisitive'?
9. When do parents wish to eliminate certain habits of their child?
10. What kind of negative emotions do the students at times suffer from? Why?

Q2. Read the poem given below and answer the questions that follow:

That is no country for old men. The young
In one another's arms, birds in the trees,
—Those dying generations at their song,
The salmon-falls, the mackerel-crowded seas,
Fish, flesh, or fowl, commend all summer long
Whatever is begotten, born, and dies.
Caught in that sensual music all neglect
Monuments of unageing intellect.

An aged man is but a paltry thing,
A tattered coat upon a stick, unless
Soul clap its hands and sing, and louder sing
For every tatter in its mortal dress,
Nor is there singing school but studying
Monuments of its own magnificence;
And therefore I have sailed the seas and come
To the holy city of Byzantium.

1. In the given poem, the poet is concerned about
 - a) The youngsters
 - b) The old men
 - c) His health
 - d) His children
2. According to the poet, the young generation focuses on
 - a) Death

- b) Present moment
- c) Art
- d) Knowledge

3. What is the Rhyme scheme of the poem?
4. Which place does the poet plan to go to?
5. "Fish, flesh, or fowl, commend all summer long". Which literary device is used here?

HINDI

नैतिक मूल्यों / जीवन मूल्यों पर आधारित एक कहानी सुनाते हुए एक वीडियो बनाइए तथा कहानी से प्राप्त शिक्षा को स्पष्ट कीजिये।

GERMAN

You want to go for a language course to Germany for 3 Weeks. Write a dialog between you and your father regarding the same in German on A4 size sheet.

FRENCH

Make a wall hanging depicting 'change in Fashion of France & India in different era'.

MATHS

1. Verify the Pythagoras Theorem using paper cutting and pasting.
2. Verify : when a transversal cuts two parallel lines the
 - a) Pair of corresponding angles are equal.
 - b) Pair of alternate angles are equal.
 - c) Interior angles on the same side of transversal are supplementary.

SCIENCE

Make a collage on 'chemistry for better health '(uses of chemistry in our everyday life for improving health)

SOCIAL SCIENCE

History - Chapter: French Revolution

On the outline map of France, mark the following:

- Bordeaux
- Nantes
- Paris
- Marseilles

Chapter: Socialism in Europe and the Russian Revolution

On the outline map of world, mark the following major countries of First World War:

- Central powers ----Germany, Austria--Hungary, Turkey
- Allied powers---- France, England, America , Russia

Geography - Chapter: India – Size and Location

- On a political map of India, mark all Indian states, color them and mention their capitals on separate sheet.
- On a physical map of India, mark Tropic of Cancer; Standard Meridian; Northern most and Southern most latitude of India; Eastern most and western most longitude of India

(Paste all maps in your notebook)

IT and AI

Make a PowerPoint presentation with 6-7 slides on Harvest Festival - Its role in global sustainability.

MARKETING & SALES

Q1. SHORT QUESTIONS:

- 1 What is Marketing?
2. What is the meaning of selling concept?
3. What is the concept of marketing?
4. What is the product concept of marketing?
5. What is the societal marketing concept?

WEEK 3

ENGLISH

Q1. Write a self composed poem on any one of the given topics with minimum 4 stanzas

- A) I am blessed
- B) My school My pride

HINDI

कोरोना महामारी से बचने के लिए सरकार द्वारा उठाये गए कदमों और इसे रोकने के उपायों की चर्चा करते हुए दो मित्रों के बीच होने वाले वार्तालाप को संवाद - रूप में लिखिए। (लगभग 10 - 12 संवाद)

GERMAN

Write 5 Sentences each by using Konjunktion “wenn”. Once using wenn at the beginning and once in center , so total 10 sentences.

FRENCH

Go for a virtual tour of Paris and make a PPT to highlight the famous places, monuments, fashion, cuisine of Paris. Mention its amazing facts in 2-3 points each in French. (No. of Slides 8-10)

MATHS

Q1. Find two irrational nos between

a. 2 and $\sqrt{3}$ b. $2\sqrt{2}$ and $\sqrt{3}$ c. $\frac{1}{2}$ and $\frac{1}{3}$

Q2. Find three rational nos between

a. $-\frac{2}{5}$ and $\frac{1}{2}$ b. $\frac{1}{2}$ and $\frac{1}{3}$

Q3. Solve

$$\frac{3\sqrt{2}}{\sqrt{3} + \sqrt{6}} - \frac{4\sqrt{3}}{\sqrt{6} + \sqrt{2}} + \frac{\sqrt{6}}{\sqrt{2} + \sqrt{3}}$$

Q4. Find the value of a and b where a and b are rational nos.

$$\frac{5 + 2\sqrt{3}}{7 + 4\sqrt{3}} = a + b\sqrt{3}$$

Activity: Construct a square root spiral.

SCIENCE

Research on various vaccines available for covid and compare Indian vaccine with foreign vaccine. Also mention facts and myths of this vaccine

SOCIAL SCIENCE

Geography - Chapter: Physical Features of India

- On a physical map of India, mark mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravalis, The Vindhya, The Satpura, Western & Eastern Ghats
- On a physical map of India, mark mountain Peaks – K2, Kanchanjunga, Anai Mudi; Plateaus - Deccan Plateau, Chhota Nagpur Plateau, Malwa Plateau
- On a physical map of India, mark Coastal Plains - Konkan, Malabar, Coromandal & Northern Circar (Location and Labelling)

Chapter: Drainage

On a political map of India, mark the following:

- The Himalayan River Systems-The Indus, The Ganges, and The Satluj

- The Peninsular rivers-The Narmada, The Tapi, The Kaveri, The Krishna,
- The Godavari, The Mahanadi
- **Lakes:** Wular, Pulicat, Sambhar, Chilika

(Paste all maps in your notebook)

IT AND AI

Watch the movie with the link- <http://youtu.be/Irv8ga02VNg> and write a detailed synopsis about the same in your IT/AI note book.

MARKETING & SALES

Make an attractive poster for advertising a new product which you want to launch in the market .

WEEK 4

ENGLISH

Write a story in about 150 words:

They didn't mean to, but in an attempt to build a time travelling machine, they discovered an alternate universe, and were accidentally trapped there.

HINDI

उपसर्ग, प्रत्यय, समास, अर्थ के आधार पर वाक्य - भेद में से किसी एक विषय से सम्बंधित एक सुन्दर चार्ट बनाइए।

नोट : ग्रीष्मावकाश से पूर्व कराए गए सम्पूर्ण पाठ्यक्रम को याद कीजिये।

GERMAN

From the Lehrbuch pg no 20 , look at the map of Germany and write Richtig/ Falsch for 7 statements given below.

FRENCH

Écrivez une lettre à votre ami et décrivant comment vous passez vos vacances?(Write a letter to your friend describing how did you spend your vacation)

(Points to be considered:

In this pandemic, what all you did to be in good health or learnt something new or tried your hands on cooking/art or any other innovative activities)

MATHS

Q1. If $x = \frac{\sqrt{5}-2}{\sqrt{5}+2}$, find the value of i) $x + \frac{1}{x}$ ii) $x^2 + \frac{1}{x^2}$

Q2. Simplify

a. $\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}$

b. $\sqrt[4]{81} - 8\sqrt[3]{216} + 15\sqrt[5]{32} + \sqrt{225}$

c. $\left(\frac{x^a}{x^b}\right)^{\frac{a+b}{3}} \times \left(\frac{x^b}{x^c}\right)^{\frac{b+c}{3}} \times \left(\frac{x^c}{x^a}\right)^{\frac{c+a}{3}}$

d. $\frac{a^{-1}}{a^{-1}+b^{-1}} + \frac{a^{-1}}{a^{-1}-b^{-1}}$

e. $\left[81^{-3/4} \times \frac{16^{1/4}}{6^{-2}} \times \left(\frac{1}{27}\right)^{-4/3}\right]^{1/3}$

f. If $x = 9 + 4\sqrt{5}$, Find the value of $x - \frac{1}{\sqrt{x}}$

g. $\left[\frac{15^{1/4}}{3^{1/2}}\right]^{-2}$

h. $\left[\frac{12^{1/5}}{27^{1/5}}\right]^{5/2}$

i. $\frac{\sqrt{2}}{\sqrt{2} + \sqrt{3} - \sqrt{5}}$

SCIENCE

Make an innovative project using waste material and resources available at home. It should be a working model and make a video showing the working of your model

SOCIAL SCIENCE

- Write the Preamble of Indian Constitution in your Political Science notebook.
- On an A4 sheet, write a **letter to Mother Earth** confessing that we understand the damage inflicted upon her by us (humans), we pray for the betterment of all living beings with a promise to take care of our planet in future. Click your picture with this letter and send to you class teacher

IT AND AI

Design basic structure of an app "Healthy Life" on Ms word which can help the community from Stress and diseases.

MARKETING & SALES

Q1. Briefly explain the importance of marketing in relation to:

- A) customer and society B) organization

Q2. Distinguish between the selling concept and the Marketing concept?