

SWARNPRASTHA PUBLIC SCHOOL, SONEPAT



SESSION: 2024-25 HOLIDAY HOMEWORK CLASS 9

"Learn while you explore, makes for a summer you'll adore!"



SUBJECT- ENGLISH

1. Create a scrapbook or a portfolio of any 5 authors whose creations/ writings have inspired you the most. Design a beautiful cover for your scrapbook.

2. Design your own anthology (collection of self-written poems) on the themes:

- i. A person who has motivated you.
- ii. A place that you remember for its beauty
- iii. An incident from your childhood that either made you happy or sad

*Give your anthology a beautiful cover page and a title.

3. Read any 2 novels of your choice and prepare a beautiful book cover of the same book. Also, write a Forward for the books.

SUBJECT- HINDI

1. परियोजना कार्य-

समूह-1(अनुक्रमांक:-1 से 8) प्रगतिशील भारतीय महिलाओं से संबंधित चित्रों का संग्रह कीजिए एवं संक्षिप्त जानकारी प्राप्त करके भित्ति पत्रिका बनाएँ।

समूह-2(अनुक्रमांक:- 9 से 18) 'अतिथि,तुम कब जाओगे' फिल्म को देखकर उसकी समीक्षा चित्रों सहित भित्ति पत्रिका बनाएँ।

समूह-3 (अनुक्रमांक:- 19 से 25) भक्तिकालीन कवियों का कोलाज बनाएँ और उनमें से किन्हीं चार प्रमुख कवियों की रचनाओं का संकलन करके भित्ति पत्रिका बनाएँ।

समूह-4 (अनुक्रमांक:- 26 से 31) 'साक्षरता अभियान' और 'पर्यावरण संरक्षण' विषय पर सुंदर लेख व चित्रों सहित स्लोगन निर्माण भित्ति पत्रिका में कीजिए।

2. अपनी हिंदी की उत्तर पुस्तिका हेतु एक आकर्षक प्रेरणादायक सुविचार सहित एक बुकमार्क बनाएँ।

3. अभी तक का करवाया गया संपूर्ण पाठ्यक्रम दोहराएँ।

SUBJECT- MATHEMATICS

Maths lab Activities: (Do in maths lab manual)

Ref. Full marks Lab Manual

Activity 1- To construct a square root spiral.

Activity 2- To verify the algebraic identity: $(a+b)^3 = a^3 + b^3 + 3a^2b + 3ab^2$

Activity 3- To find a hidden picture by plotting and joining the various points with given coordinates in a plane.

Activity 4- To verify that the sum of the angles of a triangle is 180.

Revise Exemplar Questions of Syllabus done so far.

SUBJECT- SCIENCE

A. ICPE “All India School Contest - 2024”: Senior Category Students (9 to 12)

Theme: Government of India has taken initiative for use of recycled plastic in final product as a part of Extended Producer Responsibility (EPR) Policy.

- Highlight the important benefits of this initiative.
- Is there any limitation of application of the final product?

Students can send their entries in any one of the following formats:

Audio Visual Clip: Duration 2 minutes, max size 10 MB

Power Point Presentation: Maximum 5 + 2 Slides within 10 MB

(Including title slide and last slide)

Poster / Artwork: A3 size within max 10 MB size (For Hard Copy – A 3 Size Poster Paper)

Kindly upload your ppt/artwork/poster/audio video clip on the following Google form link:
<https://forms.gle/UT7EYr51opCPn6c59>

B. Write the following experiments in the science practical file (except the calculations and result part). Please refer to the Comprehensive science lab manual which you have received in your book set for the experiments.

CHEMISTRY

1. Preparation of:

- a. a true solution of common salt, sugar and alum

- b. a suspension of soil, chalk powder and fine sand in water
 - c. a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency, filtration criterion, stability
2. Preparation of: a. A mixture b. A compound using iron filings and Sulphur powder and distinguishing between these on the basis of:
- (i) appearance, i.e., homogeneity and heterogeneity
 - (ii) behavior towards a magnet
 - (iii) behavior towards carbon disulphide as a solvent
 - (iv) effect of heat
3. Perform the following reactions and classify them as physical or chemical changes:
- a. Iron with copper sulphate solution in water
 - b. Burning of magnesium ribbon in air
 - c. Zinc with dilute sulphuric acid
 - d. Heating of copper sulphate crystals
 - e. Sodium sulphate with barium chloride in the form of their solutions in water
4. Determination of the melting point of ice and the boiling point of water.

BIOLOGY

1. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labelled diagrams.
2. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams.

PHYSICS

1. Verification of the Laws of reflection of sound.
2. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.
3. Establishing the relation between the loss in weight of a solid when fully immersed in: a. Tap water
b. Strongly salty water with the weight of water displaced by it by taking at least two different solids.
4. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).
5. Verification of the law of conservation of mass in a chemical reaction.

C. Prepare a working model for any one of the following topics as per your roll number.

- Laser security system (Roll no. 1 -5)

- Pulley crane project (Roll no. 5-10)
- Magnetic levitation (Roll no. 10 -15)
- Electric motor (Roll no. 15-20)
- Satellite model (Roll no. 20-25)
- Rain water harvesting (Roll no. 25 onwards)

SUBJECT- SOCIAL SCIENCE

Prepare a Project on the topic 'Disaster Management'.

- a) Earthquake (Roll no 1 to 10)
- b) Flood (Roll no no 11 to 20)
- c) Drought (Roll no 21 to 30)
- d) Landslide (Roll no 31 to 38)

- Project should be in the PPT form.
- Collect information from various sources like newspapers, photographs, article from magazine, internet, eye witness, accounts etc.,
- Regarding the event and the problems faced by the disaster victims.
- Collect information on immediate response of various government agencies like police, district administration etc.

MINDFULNESS ACTIVITY



THINK SHEET: **DEVELOPING YOUR VALUES AND BELIEFS**

Name: _____

Date: _____

1. Read over the list below and put a check mark next to any words that you would identify as your values.

- | | | | | |
|--|--|--------------------------------------|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> Adventure | <input type="checkbox"/> Courage | <input type="checkbox"/> Fitness | <input type="checkbox"/> Integrity | <input type="checkbox"/> Power |
| <input type="checkbox"/> Appreciation | <input type="checkbox"/> Creativity | <input type="checkbox"/> Forgiveness | <input type="checkbox"/> Joy/Play | <input type="checkbox"/> Quality |
| <input type="checkbox"/> Balance | <input type="checkbox"/> Diversity | <input type="checkbox"/> Freedom | <input type="checkbox"/> Justice | <input type="checkbox"/> Religion |
| <input type="checkbox"/> Beauty | <input type="checkbox"/> Efficiency | <input type="checkbox"/> Friendships | <input type="checkbox"/> Kindness | <input type="checkbox"/> Respect |
| <input type="checkbox"/> Career | <input type="checkbox"/> Encouragement | <input type="checkbox"/> Fun | <input type="checkbox"/> Knowledge | <input type="checkbox"/> Self-Respect |
| <input type="checkbox"/> Caring | <input type="checkbox"/> Endurance | <input type="checkbox"/> Generosity | <input type="checkbox"/> Leadership | <input type="checkbox"/> Speed |
| <input type="checkbox"/> Clarity | <input type="checkbox"/> Enjoyment | <input type="checkbox"/> Grace | <input type="checkbox"/> Learning | <input type="checkbox"/> Spirituality |
| <input type="checkbox"/> Communication | <input type="checkbox"/> Entertainment | <input type="checkbox"/> Gratitude | <input type="checkbox"/> Love | <input type="checkbox"/> Strength |
| <input type="checkbox"/> Compassion | <input type="checkbox"/> Excellence | <input type="checkbox"/> Harmony | <input type="checkbox"/> Loyalty | <input type="checkbox"/> Success |
| <input type="checkbox"/> Connection | <input type="checkbox"/> Excitement | <input type="checkbox"/> Home | <input type="checkbox"/> Openness | <input type="checkbox"/> Teamwork |
| <input type="checkbox"/> Contentment | <input type="checkbox"/> Faith | <input type="checkbox"/> Honesty | <input type="checkbox"/> Order | <input type="checkbox"/> Wealth |
| <input type="checkbox"/> Contributing | <input type="checkbox"/> Fame | <input type="checkbox"/> Humor | <input type="checkbox"/> Patience | <input type="checkbox"/> Wellness |
| <input type="checkbox"/> Cooperation | <input type="checkbox"/> Family | <input type="checkbox"/> Innovation | <input type="checkbox"/> Peace | <input type="checkbox"/> Wisdom |

2. Thinking about the values you selected, which 3 would you say are the most important to you?

(A) _____

(B) _____

(C) _____

3. For each of those 3 values, how do you think it became one of your values? Is there someone you know or a famous person you admire who demonstrates that value? If so, who is it and what do they do that shows you that value?

(A) _____

(B) _____

(C) _____

4. Describe 3 situations where someone's values and beliefs would affect their decision making.

(A) _____

(B) _____

(C) _____

5. If you discover that you have different beliefs or values than a friend or someone else you have a relationship with, how could that affect your relationship?

6. What are 3 **positive** consequences for developing your values and beliefs?

(A) _____

(B) _____

(C) _____

7. How do you think developing your values and beliefs could help you earn respect from others?

THINK SHEET: **SHOWING GRATITUDE**

Name: _____

Date: _____

1. There are more ways to show gratitude than saying "Thank you." Write as many examples as you can think of.

2. Think of someone you're grateful for but you haven't shown it recently. Write what you would say to them. When you see the person, remember to share your gratitude with them.

3. What's your favorite memory of someone showing gratitude to you? What made it so special?

4. It's common advice that you will be happier reflecting on what you *do have* instead of focusing all of your attention on what you *don't have*. Do you agree? Why or why not?

5. Describe 3 situations where it would be appropriate to show gratitude.

(A) _____

(B) _____

(C) _____

6. How might people view you if you don't show gratitude very often when they do nice things for you?

7. What are 3 **positive** consequences for showing gratitude?

(A) _____

(B) _____

(C) _____

8. How do you think showing gratitude could help you earn respect from others?

"Art is the silent
expression of thoughts,
feelings, and
experiences."

- Marilyn O



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