

**PM SHRI KENDRIYA VIDYALAYA SONEPUR**

**AUTUMN BREAKHOLIDAY HOMEWORK**

**CLASS IX**

**MATHS**

Prepare a project of all the congruence triangle with their examples.(NCERT – IX)

**SSC**

1.Make a list of Anti-poverty schemes initiated by Government of India with its criterias.

2.On an outline map of India, show the following.

- (i) Areas receiving rainfall over 400 cm.
- (ii) Areas receiving less than 20 cm of rainfall.
- (iii) The direction of the south-west monsoon over India

**SANSKRIT**

(शरदकालीन अवकाश गृहकार्य )

कक्षा- 9<sup>th</sup> 2024-25 विषय- संस्कृत

1. स्वर संधि के भेद लिखकर प्रत्येक के दस दस उदाहरण लिखो ।
2. स्त्रीलिंग 'रमा' शब्द के रूप लिखो और याद करो ।
3. खाद(खाना) धातु के लट् लङ् और लृट् लकार मे धातुरूप लिखो और याद कीजिए ।
- 4.किसी एक विषय पर चित्र सहित पांच वाक्य लिखो  
1.भारतदेश: 2. मम परिवार: 3. संस्कृतभाषा
- 5.संस्कृत प्रतिज्ञा लिखो और याद करो ।

**HINDI**

GIVEN IN CLASS

**BIOLOGY**

1. Prepare an exhibit(working model) for Science exhibition
  2. Write two case based questions with answers from each chapter in Biology CW.
- Draw labelled diagrams of Cell and Tissues chapters in drawing notebook

# KENDRIYA VIDYALAYA SONEPUR

## CLASS IX AUTUMN BREAK HOMEWORK PHYSICS

### 1. Competency based questions (Do in Notebook)

A car travels along a straight road and covers distances of 50 km, 60 km, and 70 km at speeds of 40 km/h, 60 km/h, and 80 km/h, respectively.

- Calculate the total time taken by the car to cover the entire journey.
- Determine the average speed of the car for the whole journey.
- If the car had traveled the entire distance at its average speed, how much time would it have taken?

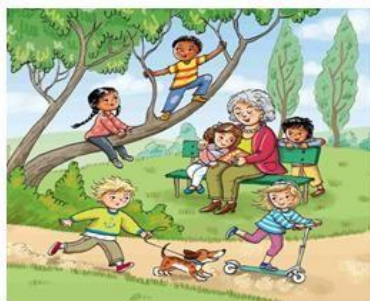
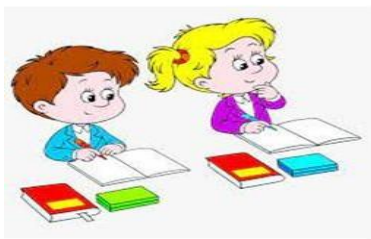
### 2. PROJECT WORK

Prepare any ONE of the following (working/demonstration model) in a group of 2 OR 3 students or individually.

- Design an activity/model for demonstration of Newton's I/ II/ III law of motion.
- Design an activity/model for demonstration of Buoyancy using different objects and showing the conditions in which an object may sink or float.
- Design a Balloon-Powered Car (Hint: Forces, motion, energy. **Materials:** Balloons, plastic bottle, straws, wheels (from bottle caps. **Activity:** Construct a car that is propelled by the air escaping from a balloon)
- Make a Pendulum wave model of different lengths (Hint: <https://www.youtube.com/watch?v=8JMVI-KKs>)

PMSHRI  
KENDRIYA VIDYALAYA  
SONEPUR

# PORTFOLIO



<b>NAME OF STUDENTS</b>	
<b>ROLL NO.</b>	
<b>CLASS WITH SECTION</b>	
<b>SESSION</b>	

# PORTFOLIO

## 1: Myself

Name		<b>PASTE PHOTO HERE</b>
Class and Section		
Admission No		
Date of Birth		
House		
Father`s Name		
Mother`s Name		
Residential Address		
Telephone No		
Email ID		
Details of brothers /sisters		
Any other details		

## 2: MY HEALTH

My height	
My weight	
My blood group	
Vision	
Teeth	
Oral hygiene	
Specific ailments if any	
Steps I should take to be more healthy	

### **3: Self awareness sheet**

**My aim :-**

**Interest and hobbies:-**

**My likes and dislikes:-**

**My good qualities:-**

**Egs [Creativity, Curiosity, Open-Mindedness, Love of Learning, Bravery, Persistence, Integrity, Love, Kindness, Leadership, Fairness, Humility, Self-Control, Appreciation of Beauty, Gratitude, Humour.....etc]**

**Areas where I feel I require improvement**

**Egs [Oversensitivity. short tempered, judgmental, Negativity, lack of concentration, lack of confidence Lack of time management, stubborn.....etc]**

**Responsibilities discharged**

**Achievements**

**Three physical qualities I like about myself [egs: hair, height, smile etc]**

## **4:.Thinking skills**

**Answer briefly based on the areas you mentioned you require improvement**

**Did you ever feel this problem can be solved? Give reasons**


**Do you take help from others to solve this problem? if you did ,how did they guide you ?**


**Were you able to find a solution for this problem finally?**


**Were you able to find more than one alternative to solve this problem?**


**When you worked on a solution did you think on improving on the solution?**


While making a decision, do you tell others why you decided so?

While working and deciding in groups do you support your friend's decision and try to make them work?

## **5.:Social skills**

Ways in which you help your friends

How do you show your feelings to your friends and teachers? Do you find it easy to show?

How do you show your respect to your teachers, parents &elders?



**If somebody asks you to change the channel to watch their favourite program on TV or ask you to leave the window seat for them while travelling, what will be your reaction?**


**Do you actively take part in group conversation?**


**Do you listen carefully when others talk to you even if you don't agree with them completely?**


**Do you agree with whatever your friends say in order to avoid conflict?**


**Which among these do you think you use the most in order to express your ideas while talking Facial expression, gestures, eye contact, or a combination of all these?**


What are some of the social problems you are concerned about?

As a student what are the ways in which you can think of saving the environment?

## **6:Emotional skills**

Do you confide your feelings to your teachers and friends?

What are some of the positive [good] emotions you feel?

What are some of the negative emotions you feel?

**How do you express these negative emotions?**


**Do you feel stressed in your daily life?[like about your performance at school , about your relationship with your friends, about your relationship with your family members etc]**


**Have you lost control/felt lonely/have gained or lost weight/slept more or less than normal during these stressful times?**


**Do you talk about your stresses to your friends / teachers?**


**What creative things do you do in order to cope up with stress?**


## **7:Socially Useful ProductiveTask**

**Has working in groups helped you in innovativeness and meeting deadlines? If yes how?**


**How far are you motivated and involved with socially useful task? Are you able to guide and help other friends who require help in finishing their task?**


**How far your involvement in socially useful task helped you in solving real life problems? Egs [solving problems related to electrical gadgets, managing PSA system, making gift items and decorative show pieces etc]**


**If you have created anything innovative describe the way in which you made it?  
[You may even paste a photo of the object you made]**


## **8: Visual art/performing art**

My participation in art activities / co-curricular activities /drama music and club activities

<b>TERM-I</b>	<b>Participation</b>	
	<b>Achievements, if any</b>	
<b>TERM-II</b>	<b>Participation</b>	
	<b>Achievements, if any</b>	

## **9: Physical and health education**

My participation in sports /NCC/NSS/scouting and guiding/Swimming/ Gymnastics/ Yoga /FirstAid/Gardening/Shramdaan

<b>TERM-I</b>	<b>Participation</b>	
	<b>Achievements, if any</b>	
<b>TERM-II</b>	<b>Participation</b>	
	<b>Achievements, if any</b>	

## **10. NCSC / SCIENCE EXHIBITION / OLYMPIAD ACTIVITIES**

<b>INFORMATION OF OTHER SUBJECT</b>	<b>Participation</b>	
	<b>Achievements, if any</b>	

## **11:ATTITUDE AND VALUES**

<b>My attitude towards my teacher</b>	
<b>My attitude towards my friends</b>	
<b>My attitude towards school programmes and environment</b>	
<b>My participation in morning assembly /National festivals</b>	
<b>My experience as a club member</b>	
<b>Participation in exhibition / Olympiad</b>	
<b>My contribution in improving /beautification/ discipline of my class</b>	
<b>My contribution to school magazine/e-magazine/newsletter/ class magazine</b>	
<b>My achievements in CCA competition</b>	
<b>My achievements in inter school competition</b>	
<b>My achievements in regional level competitions</b>	
<b>My achievements in national level competition</b>	
<b>Any other outstanding achievements</b>	

**SUBJECT:..... (1page for each subject)**

What I learnt new.....

a)

b)

.....

.....

Area I found most interesting.....

a)

b)

.....

.....

Area I found most challenging.....

a)

b)

.....

.....

**PASTE THE PHOTOGRAPH OF ACTIVITY DONE BY YOU**

THANK

YOU

