



ROYAL OAK INTERNATIONAL SCHOOL
SR. SEC. CBSE AFFILIATED (SESSION 2022-23)
HOLIDAY HOME WORK
Class - IX



Please note the following :

- **Summer vacations will commence from 26th May 2022(Thursday) till 24th June 2022(Friday) both days inclusive.**
- **The school will re-open on 27th June, 2022(Monday)**
- **Schedule for the submission of HHW for all class is as follows :**

English	:	06/07/2022
Hindi	:	07/07/2022
Maths	:	08/07/2022
Science	:	11/07/2022
SSt.	:	12/07/2022
Computer	:	14/07/2022
- ❖ **Summer HHW -5marks will be added as an Activity marks in Term - I**
Wishing you all a very fruitful and enjoyable vacations.



FOR THE PARENTS

D/P

Greetings !

Vacation is the time for the children to explore their myriad interest and indulge in various activities which would lead to their all-round development.

Summer vacations are here, have a restful summer and enjoy some good books! Hoping your summer includes lots of family time, ice cream, swimming, laughter, and fabulous memories. We wish you all a safe and fun summer! Happy Summer Vacation!

Here are a few tips for parents to act as a facilitator to help your child to balance his/her eagerness in pursuing adventure, creativity and self-expression with the development of responsibility.

1. Tap the talent of your child and let them be creative.
2. Spend at least half an hour a day with your child for sharing experiences about the school.
3. Use holiday homework as an opportunity to spend quality time together. Let your child take the lead and use his/her imagination, creativity and knowledge to do the assigned task.
4. Learning doesn't stop when school is out. This rule came out of desperation.
5. Tell your child different stories regularly and encourage them to describe what they would do in a similar situation. Here are few suggested titles which you can read with your child.
 - a. Lacey-the little mermaid fairy.
 - b. Panchatantra stories.
 - c. Tenali Rama
 - d. Alice in Wonderland
 - e. Alice in Wonderland
6. Encourage your child to communicate in English. Fix one hour in a day when you communicate with your child only in English.
7. Develop self helpskills : Let your child dress and feed on their own.
8. Maintain proper time table for the child for television watching, & study time etc.
9. Make his/her understand the importance of cleaning his/her room .
10. Take good care of your health and hygiene. Avoid heavy and oily food and increase intake of fresh food and water to keep yourself well hydrated and energetic.
11. Introduce them to fun-filled activity boxes - These activity boxes help the children to nurture their creativity and imagination through art explorations, cooperative games, and challenging tasks.

Conclusion: It may not be easy for the parents to ban their children completely from watching TV or playing games on their phones in one shot. However, they can induce gradual changes by cutting down a few screen hours and introduce the above-mentioned activities to their schedule.

NOTE:

- Please make sure that your ward will revise all the work done in the month of April and May in all the subject.
- Cover the assignments and worksheets shared by the respective subject teachers in the class.

Have a nice time!



PRINCIPAL

State : Jammu & Kashmir



Jammu and Kashmir are a Union Territory in India. It has two capitals; Jammu and Sri Nagar. For its natural beauty, it is called “Heaven on earth”. Enclosed by the Great Himalaya and Pir Panjal mountain range, Kashmir Valley is the best place for camping, trekking, and mountaineering. While traveling to this gorgeous land, you will witness the most enchanting views of mountains, lakes, and meadows

<u>Subjects</u>	<u>Topics</u>	<u>Types of Activities</u>
English	Natural beauty and Authors	<ul style="list-style-type: none">• Write biographies of 5 famous authors from J & K.• Prepare a diary entry for your stay in J & K for a week.• “Heaven on earth”. Write an article on the above phrase mentioning J & K wildness and natural beauty.
Hindi	मौसम, फसल, खानपान तथा दर्शनीय स्थल	क्रियाकलाप - जम्मू और कश्मीर राज्य की फसल, मौसम, खानपान और 4-5 दर्शनीय स्थलों के चित्र चिपकाकर प्रत्येक का वर्णन 7 - 8 पंक्तियों में कीजिए। (निर्देश- (A-4 Size) ए -4 साइज शीट पर)
Maths	Population	<ul style="list-style-type: none">• Bar diagram , Pie chart on following topics:<ol style="list-style-type: none">1. J & K literacy rate2. J & K population composition.3. J & K IMR and MMR.• Calculate the mean value of J & K literacy by taking the data from (2010-2020) for literacy.
Science	Bio diversity	<ul style="list-style-type: none">• 3D model of endangered species of J & K (wildlife only)• Pie chart on Mineral available in J & K.• Collage on bio-diversity of J & K.

Social studies	Folk Dance and music	<ul style="list-style-type: none"> ❖ Prepare a scrap book on the folklore , music and dances of JAMMU and KASHMIR . Decorate it with beautiful 3D pictures and papers . ❖ Prepare a project file on five NATURAL DISASTERS and its remedies that occurs in India between 2020-22. <p><u>Must begin the project by including the following parameters (minimum sheets 25):</u></p> <ul style="list-style-type: none"> • Cover page includes – project title, student information, school and academic year . • List of content with page number. • Certificate page • Acknowledgement (giving credit to those who helped you in this project) • Project overview (brief idea about the project) • Content sheet (10 to 12 with relevant photographs OR maps) • Conclusion • Bibliography (the book you read and the website you visited for the project) ❖ Prepare a Scrap book with a beautiful cover page, tracing the journey of a river .Showing major places and mythlogical importance of the river . <table border="1" data-bbox="654 997 1369 1171"> <thead> <tr> <th>ROLL NO.</th> <th>TOPICS</th> </tr> </thead> <tbody> <tr> <td>1 TO 10</td> <td>Ganga</td> </tr> <tr> <td>11 to 20</td> <td>Narmada</td> </tr> <tr> <td>21 to 30</td> <td>Godavari</td> </tr> <tr> <td>31 onwards</td> <td>Kaveri</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ❖ Make a collage on the cultural Heritage of Telangana (A3 Sheet). 	ROLL NO.	TOPICS	1 TO 10	Ganga	11 to 20	Narmada	21 to 30	Godavari	31 onwards	Kaveri
ROLL NO.	TOPICS											
1 TO 10	Ganga											
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Computer	Tourism	Make a PowerPoint presentation on “tourist places in J & K”.										

ASSIGNMENT

BIOLOGY:

ACTIVITY: Surf on internet, “Different level of Pollution in Haryana and Telengana ” as well “Mineral Resources in Haryana and Telengana” do the following project work (use A4 sheets and make folder) on above mention topics

Guidelines:

- Roll no 1 to 15 will do project on Different level of pollution.
- Roll no 16 to onwards will do project on Mineral resources.
- For pollution surf for air quality index.
- Degree of quality of water and soil, causes as well as remedies.
- For second project surf for Availability of mineral resources of particular state, physical properties, chemical composition and applications.
- Comparative analysis of pollution as well as minerals resources of two states, Haryana and Telangana.
- Make front sheet where topic name and name of student, class and roll no. will be mentioned, on 2nd sheet certificate, on 3rd sheet acknowledgement, on 4th sheet Index, 5th sheet onwards your project topics will be continued.

You can use coloured as well as black-white sheets.

Assignment: *(Do on A4 sheets and make separate folder)*

- Q1_What is the function of SER in liver cells of vertebrates?
Q2 Why the RER appears rough?
Q3 Why viruses are not supposed to be living?
Q4 What is a nucleoid?
Q5 Why dry raisins placed in water swell up?
Q6 Where are genes located?
Q7 What will happen if we keep a plant cell or animal cell in a i) Hypotonic solution iii) Hypertonic solution iii) Isotonic solution.
Q8 Explain the importance of osmosis for living beings?
Q9. Describe cell on the basis of its complexity i,e prokaryotic and eukaryotic
Q10. a) Describe the structure and functions of nucleus.
b) What is DNA?
Q11 Plastids are present only in plants. Comment
Q12 Describe the chemical composition of cell wall.

CHEMISTRY:

Assignment: *(Do the assignment on fair notebook)*

1. When an incense stick is lighted in the corner of a room, it's fragrance spreads quickly in the entire room. Explain
2. What is the common name of solid carbon dioxide?
3. What is the common unit of temperature?
4. What is the S.I. unit of temperature?
5. What is the relation between Kelvin scale and Celsius scale of temperature?
6. Name one property which is shown by ammonium chloride not sodium chloride.
7. What is normal atmospheric pressure?

8. What are the two ways in which the physical state of matter can be changed? Explain with the help of a ray diagram.
9. What are the conditions for 'something' to be called 'matter'?
10. Name two gases which are supplied in compressed form in homes and hospitals.
11. Describe in your own words, what happens to the particles when salt dissolves in water.
12. What is meant by 'diffusion'? Give one example of diffusion in gases.
13. Why do gases diffuse very fast?
14. What is Brownian motion?
15. How does applying pressure help in the liquefaction of a gas?

Activity

Perform an activity showing the compressibility of gases and liquids and compare them.

PHYSICS:

1. Read the chapter- 8 motion carefully.
2. Practice all the graph.
3. Do the given assignment in physics register.

1) Tick the correct answer (MCQ)

Q.1. The direction of acceleration is the same as the direction of _____.

- | | |
|------------------|-----------------------|
| (a) displacement | b) change in velocity |
| (c) velocity | (d) all of these |

Q.2. The area under a velocity-time graph gives _____.

- | | |
|--------------|------------------|
| (a) distance | (b) acceleration |
| (c) speed | (d) |
| displacement | |

Q.3. A physical quantity which has both magnitude and direction is called a _____.

- | | |
|-------------------------|----------------------|
| (a) scalar quantity | (b) vector quantity |
| (c) neither (a) nor (b) | d) either (a) or (b) |

Q.4. The distance-time graph of a body moving along a straight path in a single direction with uniform speed will be _____.

- | | |
|------------------------|--------------------------------|
| (a) along X-axis | (b) a line with positive slope |
| (c) parallel to X-axis | d) None of these |

Q.6. If a body travels unequal distances in equal intervals of time along a _____ path, the body is said to be in _____.

- | | |
|--------------------------|-----------------------|
| (a) uniform motion | b) non-uniform motion |
| (c) uniform acceleration | d) non-uniform |
| motion acceleration | |

Q.7. A freely falling body is said to be moving with _____.

- | | |
|------------------------------------|-----------------------------|
| (a) constant non-zero acceleration | (b) non-uniform motion |
| (c) zero velocity | d) non-uniform acceleration |

2) Answer the following question and draw the diagram where required---

Q1. What kind of motion of an object is represented by DISTANCE- TIME graph shown in fig.

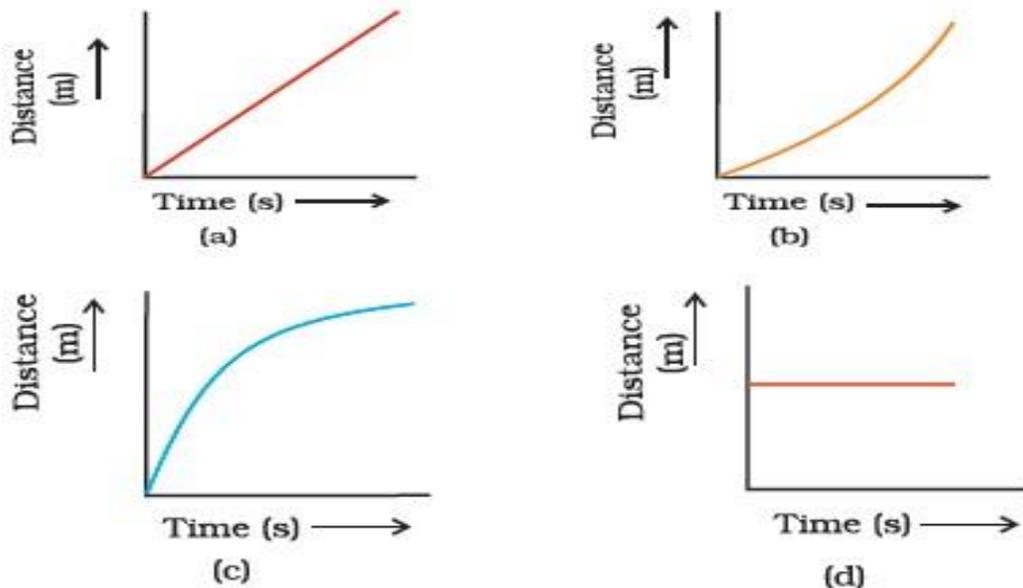


Fig. 8.3

Q2. A marble rolling on smooth floor has an initial velocity of 0.4m/s . If floor offers a retardation of 0.2 m/s^2 . Calculate the time it will take to come to rest.

Q3. Name the physical quantity denoted by

- The slope of distance – time graph.
- Area under velocity – time graph.
- Slope of velocity – time graph.

Q4. A car accelerated uniformly from 18km/h to 36km/h in 5 sec. Calculate

- Acceleration
- distance covered by the car in that time.

Q5. Derive the three equations of motion algebraically.

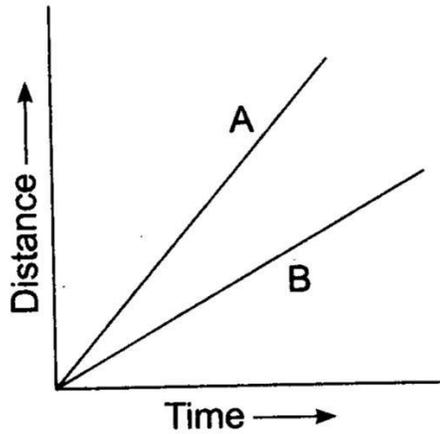
Q6. Train starting from rest attains a velocity of 108km/h in 3 minutes. Assuming that acceleration to be uniform find

- acceleration
- distance travelled by train for attaining this velocity.

Q7. A train 100m long to cross river bridge of length 800m . What time it will take to cross the bridge, if train moves with constant velocity of 72 km/h .

Q8. An athlete complete one round of a circular track of radius 7 m in time 5 sec . What is his Speed?

Q9. In velocity- time graph two car A and B have been shown. Which represent higher velocity & Why?



Q10. Dinesh takes 20 minutes to cover a distance of 5 km on a bicycle. Calculate his average speed in:

1. m/s
2. km/h

HAVE A FUN FILLED VACATION!

