

# R K SARDA VIDYA ASHRAM

(Run under the Aegis of Shri RamKishore Sarda Seva trust)  
Affiliated to C.B.S.E (Affiliation No.3330369)



## Summer Vacation Home Assignment 2023-24

### Class – IX

*Summer is messy  
, Summer is fun,  
Trips to the beach,  
In the hot, hot Sun,  
Let's give summer,  
A big fat cheer!*

*Summer is the best time of the year.*

Dear Parent,

We wish you and your child a very happy summer holidays. It's time to enjoy and relate a bond with family, friends and relatives. To utilize this time in the most constructive way we have prepared Holiday Homework for the students on the principle of 'learning by doing' for his /her holistic development.

#### **Note:**

- 1. Kindly make sure Summer Vacation Homework is written in the respective subject copy.**
- 2. This Homework is a part of Periodic Assessment – I as Subject Enrichment 5 – Marks.**

#### **Subject wise work to be completed:**

#### **English:**

**Activity 1:** To be written in Homework notebook:

“ If you work hard and know where you're going, you'll get there,” says Evelyn Glennie. You have now read about two musicians, Evelyn Glennie and Ustad Bismillah Khan. Do you think that they both worked hard? Where did they want to go? Answer these questions in two paragraphs, one of each of two musicians.

**Activity 2:** To read the novel Great Expectations and prepare a skit within 200 words based on any plot/sub plot/the portion most liked ( to be written in H/W notebook)

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- Hindi :** 1-औपचारिक और अनौपचारिक पत्र लिखें ,  
2-किसी विषय पर कम से कम 200 का एक अनुच्छेद लिखें  
3-किसी कवि या लेखक की जीवनी से संबंधित चित्र सहित चार्ट तैयार करें

**Math:** Solve R.D Sharma (1.1 to 1.5)

**Science:**

- A. Complete the provided worksheet  
B. Write the experiments in practical note book as provided in the worksheet (use lab manual)

**Social Science:**

1. Complete all the given notes in respective notebooks.
2. Make a project file on Indian climate.  
(<https://www.pmfias.com/indian-climate-climate-of-india-features-of-indian-climate-factors-influencing-climate-of-india/>)  
(<https://www.oneyoungindia.com/class-9-social-science-geography/climate-of-india-notes>)  
(<https://www.insightsonindia.com/indian-geography-2/indian-climate/factors-determining-climate-of-india/>)
3. Create a 10 event timeline of the French Revolution. Each event should have an annotation of 20+ words and a colored picture with it.  
(<https://www.sutori.com/en/story/phases-of-the-french-revolution--81KNK4HEqLQzh7hwmopuNo76>)  
(Timeline examples:  
[https://www.google.com/search?q=timeline+of+french+revolution&sxsrf=APwXEdcgsyWUjyRym3bwdyHq9ZRH1iUW7A:1682501358602&source=lnms&tbm=isch&sa=X&ved=2ahUKEwi86sD-ncf-AhV7XGwGHfYLD08Q\\_AUoAXoECAIQAw&biw=1366&bih=625&dpr=1](https://www.google.com/search?q=timeline+of+french+revolution&sxsrf=APwXEdcgsyWUjyRym3bwdyHq9ZRH1iUW7A:1682501358602&source=lnms&tbm=isch&sa=X&ved=2ahUKEwi86sD-ncf-AhV7XGwGHfYLD08Q_AUoAXoECAIQAw&biw=1366&bih=625&dpr=1))

**Computer:** Do the attached worksheet as directed.

**Art:** Decorate a small pot (plastic or terracotta) with an indoor plant in it. Use only acrylic colours. **(Below is the picture for your reference)**



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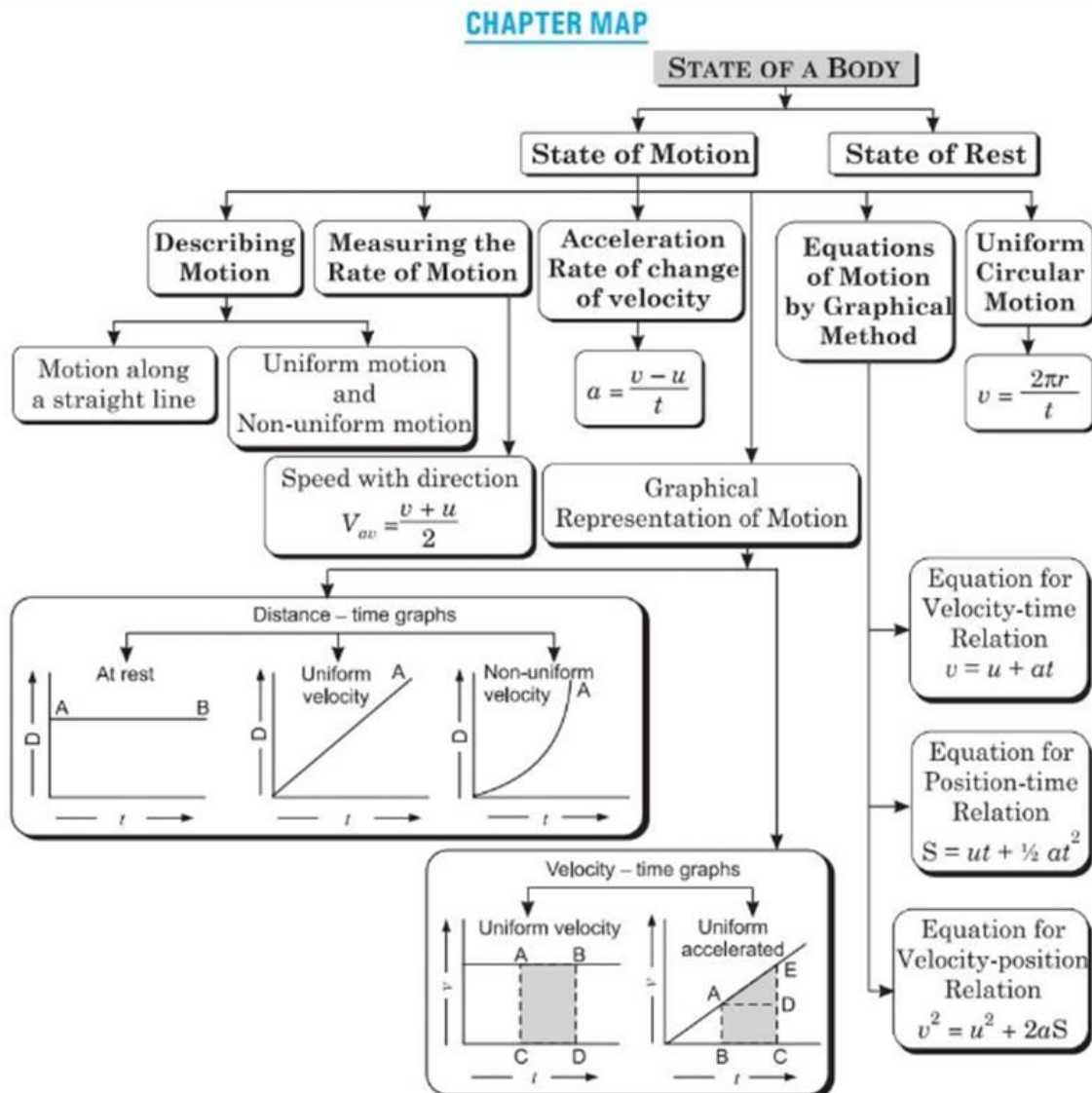


**R K SARDA VIDYA ASHRAM**  
**SUMMER VACATION WORKSHEET**  
**Class : IX      Subject: Science**

Roll No. \_\_\_\_\_ Name \_\_\_\_\_

**PHYSICS**

1. Draw the following chapter map in your physics note book.



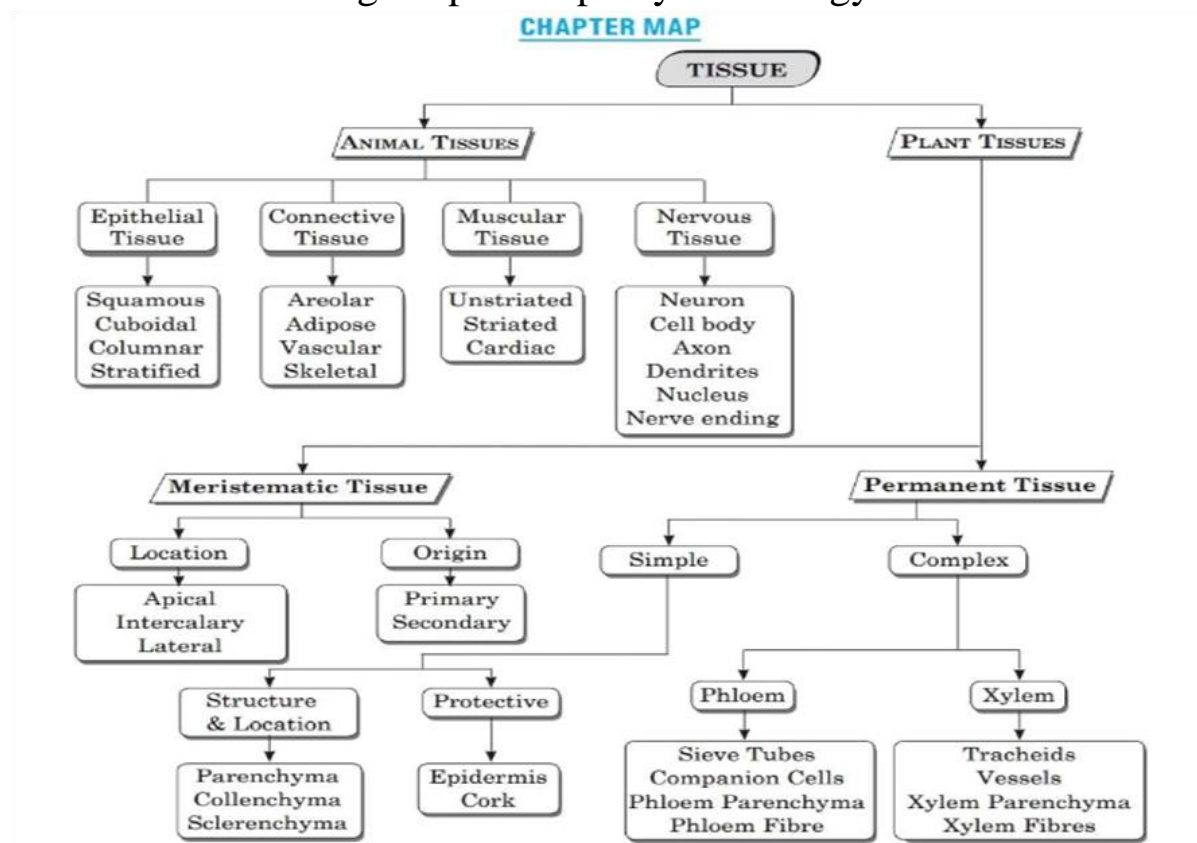
**CHEMISTRY**

1. List the factors which affect the rate of evaporation.
2. Design an activity to show the effect of temperature on changing state of matter.
3. Convert the following temperature to the celsius scale.
  - a. 290K
  - b. 500K
4. Convert the following temperature to the Kelvin scale.
  - a. 27°C
  - b. 273°C
5. Why should we wear cotton clothes in summer?

6. Why are we able to sip hot tea or milk faster from a saucer rather than a cup?
7. What is dry ice?
8. What do you mean by sublimation? Show the process by a diagram.
9. Why does our palm feel cold when we put some perfume on it?
10. what is the physical state of water at-
  - a. 273K
  - b. 373K

## **BIOLOGY**

1. Draw the following chapter map in your biology notebook.



### **Following experiments to be written in practical note book**

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) behaviour towards a magnet
- (iii) behaviour towards carbon disulphide as a solvent
- (iv) effect of heat

**3. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.**

**4. 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.**

**5. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.**

**6. 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.



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**SUMMER VACATION WORKSHEET**  
**Class : 9      Subject: Computer**

Roll No. \_\_\_\_\_ Name \_\_\_\_\_

**1. What are the parts of Speech? Give an example of each -**

a)		e)	
Ex.		Ex.	
b)		f)	
Ex.		Ex.	
c)		g)	
Ex.		Ex.	
d)		h)	
Ex.		Ex.	

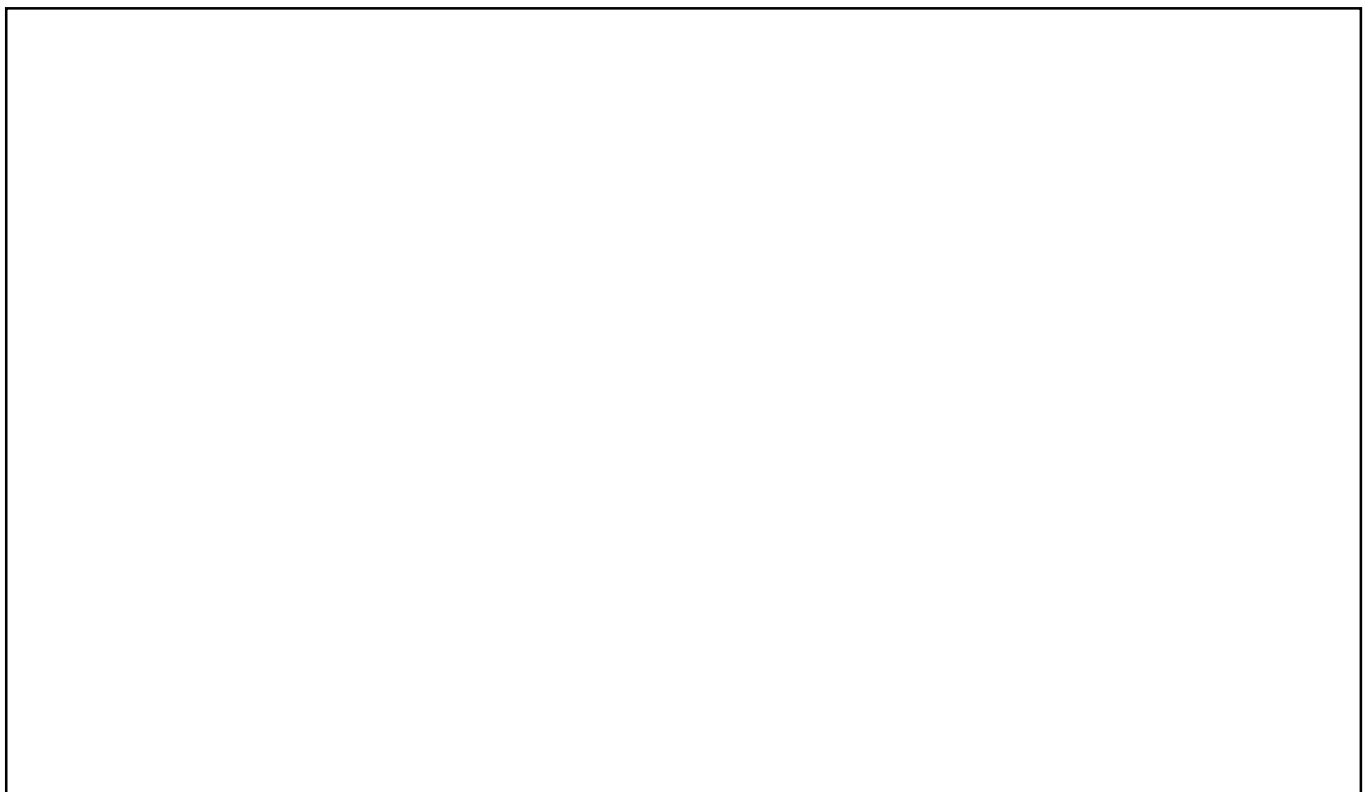
**2. Write any two Do's and any 2 Don'ts in Non-Verbal Communication -**

	Do's
a)	
b)	
	Don'ts
a)	
b)	

**3. Match the following -**

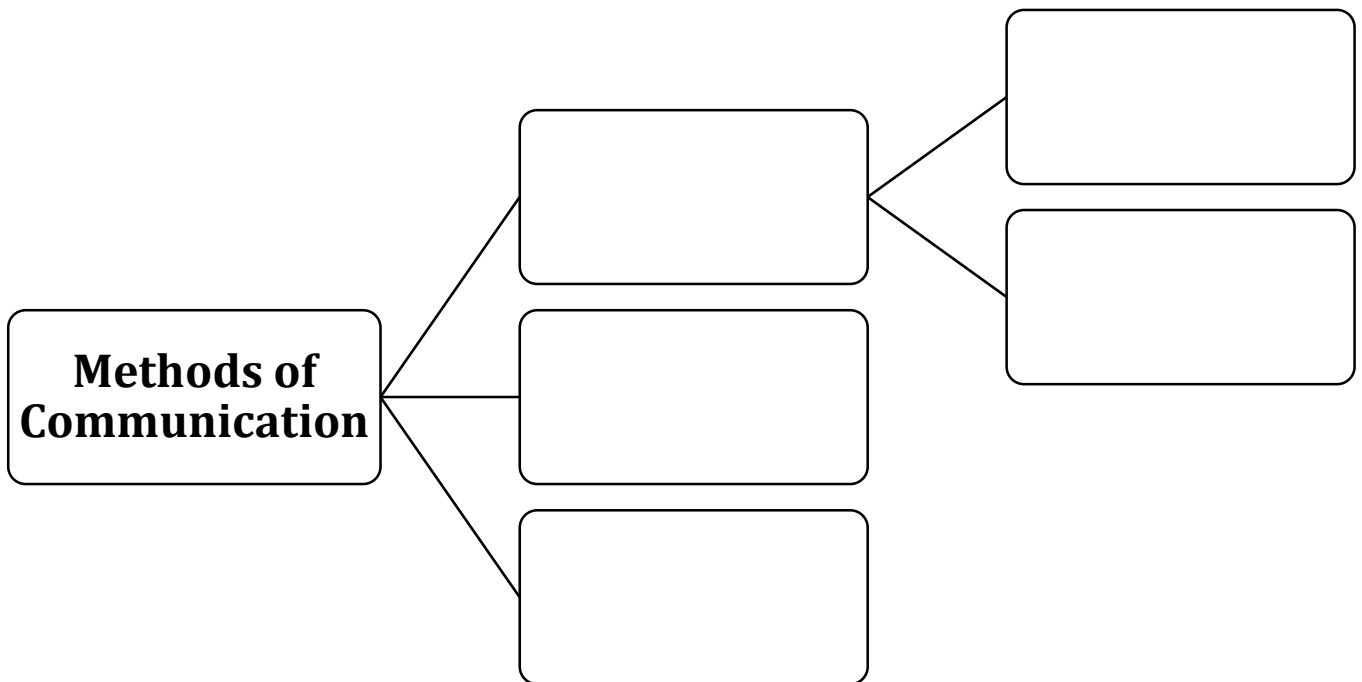
<b>Column A</b>		<b>Column B</b>		<b>Ans.</b>
1)	Mass Communication	a)	Signs and Gestures	
2)	Written Communication	b)	Pictures and Charts	
3)	Symbolic Communication	c)	Telephone Calls	
4)	Visual Communication	d)	Radio and Television	
5)	Oral Communication	e)	Letters and Emails	

**4. Draw the Communication Cycle with all its elements -**



**Elements of Communication Cycle are -**


**5. Complete the classification of Methods of Communication -**



**6. Write any 4 benefits of Effective Communication Skills -**

a)	
b)	
c)	
d)	

**7. Explain any 4 factors that affects our Perspective of Communication -**

a)	
b)	
c)	
d)	