



# JAYPEE PUBLIC SCHOOL

Affiliated To CBSE New Delhi Up to 10 + 2 Level (Affiliation No. 531711)

## CLASS 9 (Holidays Homework)

### ENGLISH

#### SECTION -A ( Reading )

1. Read and find the answers of 10 unseen passages, write answers in SSR.
2. Read a newspaper regularly and pick up new words from it at least 10 per day.
3. Prepare a chart on the Figures of Speech with Example.

#### SECTION - B ( Writing)

4. Complete the following stories in 150 to 200 words. Going to Mumbai by train to attend the marriage of a friend ....got stuck in a traffic jam...reached the railway station late....boarded a wrong train....realised after two hours... Tortoise and hare good friends...Tortoise known for his slow speed .....hare has fast speed...makes fun of tortoise ....challenges him....referee selected...race starts....hare overconfident....tortoise won...
5. You are Radha G, member of NGO AWAAZ. Write a letter to the editor of a national daily for a public movement to clean the Yamuna river. (You must introduce yourself, describe how the people are to be blamed for polluting the river and suggest the need for installing water treatment plant to clean the river).
6. You are Rahul Raj of Sector-B, Municipal cooperative colony, Andheri, Mumbai-400005. Write a letter to the editor of the newspaper HT Times, Nageshwar Vihar Colony, Mumbai-400001 complaining against the bad condition of roads in your community.
7. Prepare a Poster on the Bio Diversity of India (You can take Help from the 5th chapter of Geography)

#### SECTION -C (Literature)

8. Write in your own words the adventures of Toto how did he make Grandfather realise that he is not the sort of pet to keep at home?( 100-150 words)
9. Write the central idea of the poem - wind and the Rain on the roof. Prepare a chart describing different folk poems/songs on weather.
10. Describe all the ironic situations in the chapter The snake and the Mirror. What you would have done if you were at the place of writer?

### SOCIAL STUDIES

#### ECONOMICS

1. Make a project of 5 – 6 A4 size sheet on “ How human being is considered as a Resource.” Elaborate with your view points.
2. Write all important questions of Chapter 1,2 in SSR.

#### POLITICAL SCIENCE

1. Make a chart on “ Preamble” and explain its parts.
2. Write your views on “favour and against of democracy” in SSR note book.
3. Learn Chapter 1 to 3

#### GEOGRAPHY

1. Prepare a project on the “Physical features of India”.
2. Make a chart of India’s map on which you should locate all states, Union territories and neighbouring countries.

#### HISTORY

1. Make a project on “ The French Revolution”. Write bibliography also.
2. Learn and write chapter 1, 2

### HINDI

1. दो शिक्षाप्रद कहानिया लिखे
2. दस मुहावरे वाक्ये सहित लिखिए
3. कविता पर आधारित एक चार्ट चित्र सहित बनाइये

4. दो लेखकों के जीवन परिचय लिखिए
5. अब तक का लिखित कार्य याद कीजिये

### MATHEMATICS

1. Do practice of chapters 1, 2, 3, 4, 6 and 12 in separate notebook
2. Do chapters 1, 2, 3, 4, 6 and 12 from R. D. Sharma in separate Register.
3. Make a chart of all the formulae of your book chapterwise.
4. Make a activity of an angle at the centre of a circle by an arc by using coloured papers, gum, compass, pencil, ruler, carbon paper or tracing paper. For Example :

**Angle at the centre of a circle by its arc**

**Objective**  
To verify that the angle subtended by an arc at the centre of a circle is twice the angle subtended by the same arc at any other point on the remaining part of the circle, using the method of paper cutting, pasting and folding.

**Pre-requisite knowledge**  
Meaning of subtended angle by an arc.

**Procedure**

1. Draw a circle of any radius with centre O on a coloured sheet of paper and cut it.
2. Take a rectangular sheet of paper and paste the circle on it. (Fig 6(a))
3. Take two points A and B on the circle to obtain arc AB. (Fig 6(b))
4. From centre joining OA and draw OA'. (Fig 6(c))
5. From a point joining OB and draw OB'. (Fig 6(d))
6. An  $\angle$  subtends  $\angle$  AOB at the centre O of the circle. (Fig 6(e))
7. Take a point P on the remaining part of the circle.
8. From centre joining OP and draw OP'. (Fig 6(f))
9. From a point joining BP and draw BP'. (Fig 6(g))
10. An  $\angle$  subtends  $\angle$  APB at the point P on the remaining part of the circle. (Fig 6(h))
11. Make two replicas of  $\angle$  APB using carbon paper or tracing paper. (Fig 6(i))
12. Place two replicas of  $\angle$  APB adjacent to each other i.e.  $\angle$  AOB. What do you observe? (Fig 6(j))

**Observation**

1. Students will observe that two replicas of  $\angle$  APB completely cover  $\angle$  AOB.
2.  $\angle$  AOB = 2  $\angle$  APB

**Materials required**

coloured paper,  
a pair of scissors,  
gum,  
compass,  
pencil,  
ruler,  
carbon paper or  
tracing paper.

**Learning outcome**  
Students become more familiar with the theorem (that is proved in classroom) through an activity.

**Remarks**

1. The teacher may ask the students to perform the activity for the cases where arc AB is a major arc or a semi circular arc.
2. The teacher should point out that the activity only verifies the theorem and is not a proof of the theorem.

Fig 6(j)

**Note: Revise July Periodic Test syllabus.**

5. Make a project on various historical aspects of the numbers.
6. Make a project on congruent shapes by collecting different materials from your surrounding.

### SCIENCE

1. Do question answers of chapters Matter around us, Motion, Force and law of Motion, Cell structure from NCERT and S.Chand (Lakhmir Singh) Physics book
2. Make a chart on Fractional Distillation, Cell, Newton law of Motion
3. Make any one object based on these above topics.