G.D. GOENKA PUBLIC SCHOOL, SILIGURI
CLASS: VII
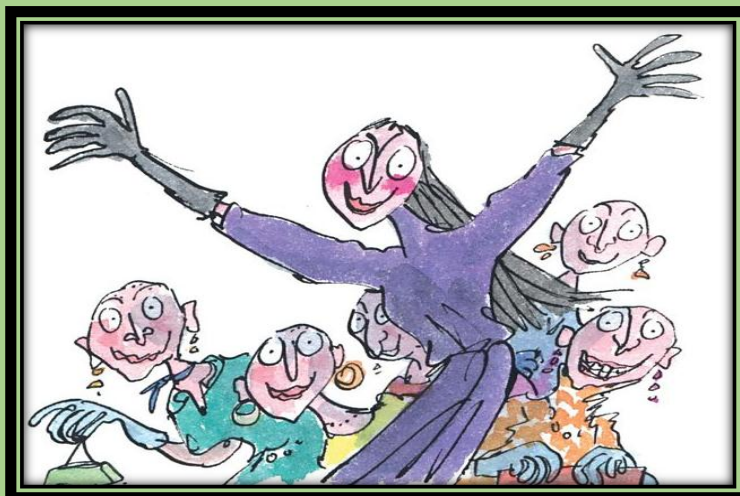

GENERAL INSTRUCTIONS:
1. Complete your assignments using A4 sheets (Wherever applicable). Write the subject in the centre of the page.
2. Write your name, class and section on each sheet of your assignment or models.
3. Submit the models or worksheets on re-opening of School after the Puja Break.
4. Name the source if you have used the internet for research.

Name:_____, Sec: _____, Roll No.: _____

ENGLISH

'*The witches' motto is 'Squish them and squiggle them and make them disappear'.*

Read the description of witches from chapter 10 to 15 as explained by Roald Dahl in the story 'Witches' and write a paragraph in about 130-150 words describing a witch or another nasty character.

SCIENCE
MAKING A POLLUTION CATCHER

How Clean Is Your Air?

It can be pretty hard to tell what is floating around in the air because most airborne particles are too small for the naked eye to see. Here is an easy way to collect and observe some of the larger particles in your air. How clean is your air?

You will need:

• 2/3 white paper plates

• petroleum jelly

• duct tape

• 4 wooden blocks/bricks

• camera

Directions:

1. Find two/three locations you would like to test including an indoor and an outdoor location. List the locations in the table below.

2. Make the required sensors(pollution catcher). Use the duct tape to securely attach a paper plate to a block/brick. Then coat the top of the paper plate with petroleum jelly.

3. Place a sensor in each of the four locations.

4. Take photos of the plates and their locations.

5. Let these particle sensors sit for at least 48 - 96 hours. Make sure you test a time period during which there is no rain or snow.

6. Take photos of the plates and compare with the pictures from step 4. Rank the locations from cleanest (1) to dirtiest (4) in the table.

Location	Inside / Outside	Rank

Questions:

1. Can you see any particles in the petroleum jelly?

2. Do the outdoor sensors have less or more particles than the indoor sensors?

3. What location had the cleanest air?

MATHEMATICS BRAIN TEASERS

A. Instruction: Solve the following questions in an A4 sheet

1. My daughter has many sisters. She has as many sisters as she has brothers. Each of her brothers has twice as many sisters as brothers. How many sons and daughters do I have?
2. When my father was 31 I was 8. Now he is twice as old as me. How old am I?
3. One brick is one kilogram and half a brick heavy. What is the weight of one brick?
4. Use the numbers 2, 3, 4 and 5 and the symbols + and = to make a true equation.
5. Mr. Smith has 4 daughters. Each of his daughters has a brother. How many children does Mr. Smith have?
6. How can you add eight 8's to get the number 1000?
7. Three times what number is no larger than two times that same number?
8. If you go to the movies and you're paying, is it cheaper to take one friend to the movies twice, or two friends to the movies at the same time?
9. The combined age of Jack and John is 49. Jack is twice as old, as John was when Jack was as old as John is now. How old are the brothers?
10. How many days are there in 4 years?
11. What is the value of 1/2 of 2/3 of 3/4 of 4/5 of 5/6 of 6/7 of 7/8 of 8/9 of 9/10 of 1000?
12. If you toss a coin 10 times and it lands heads up every time, what are the chances it will land heads up if you toss it again?
13. Dean Sam and Castiel are three brothers. Interestingly their current age is prime. What's more interesting that difference between their ages is also prime. How old are they?
14. If Mr Flynn is 90 centimetres plus half his height, how tall is he?
15. When I take five and add six, I get eleven, but when I take six and add seven, I get one. What am I?

B. Solve the following questions in your Maths Notebooks.

R.S. Agarwal: Exercise – 7A Page No. 111 Question No. 1 to 10, and Exercise-7C Page No. 116 Question No. 1 to 5