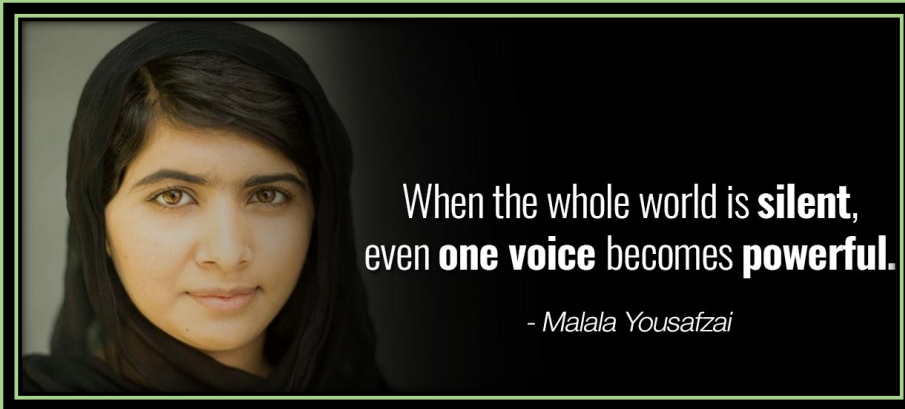# G.D. GOENKA PUBLIC SCHOOL, SILIGURI
CLASS: VIII

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

When the whole world is **silent**, even **one voice** becomes **powerful**.

- *Malala Yousafzai*

The text 'I Am Malala', celebrates the stances brave individuals take against injustice. Read Chapters 9-15 and complete any one of the following task.

- **Write a personal narrative in about 150-170 words about a time you have been brave.**

OR

- **Write a short story about finding the courage to do what is right. Give a suitable title to it.**

SOCIAL SCIENCE

HOLIDAY PROJECT ON SUSTAINABLE MATERIAL ON ARCHITECTURE: BAMBOO

Nowadays bamboo has been gaining attraction all over the world. Bamboo is cost effective, practical, aesthetically pleasing and environmental friendly building alternative. Bamboo is extremely strong, versatile, and flexible and light weight material and considered to be as sustainable and renewable alternative to hardwoods because it regenerates at very fast rate.

The students are to make an in-depth synopsis: A Comparative study on the Cultivation and Conservation of Bamboo between India, China and Indonesia through a power point presentation.
The presentation is to be made under the following headings:

- World Bamboo resources : Hardware of the Jungle(Introduction)
- Bamboo Diversity and Characterisation
- Bamboo distribution in India, China and Indonesia
- Traditional uses
- Modern uses
- Conservation , Cultivation and Utilisation
- Bamboo, People and Environment
- Conclusion

The students are to make a power point presentation following the given instructions:
Number of Slides – 10-15
Use of animations and pictures.
Borders to be used in every slide.
Please mail the slide to **: middleschool@gdgoenkaschool.in**
Note* Children should be encouraged to do the research work and not just download readymade PowerPoint presentations.
Useful websites that can be used:
www.fao.org
https://www.entrepreneurindia.co
https://www.worldbamboo.net
www.bioone.org
https://www.bioversityinternational.org

MATHEMATICS BRAIN TEASERS

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

1. When I add 6 times my age 6 years from now to 7 times my age 7 years from now, I get 14 times my current age. How old will I be 5 years from now?"

2. There are 7 girls in a bus, each girl has 7 backpacks, in each backpack, there are 7 big cats. For every big cat there are 7 little cats, how many legs are there in the bus?

3. In a country in which people only want boys, every family continues to have children until they have a boy. If they have a girl, they have another child. If they have a boy, they stop. What is the proportion of boys to girls in the country?

4. You have five pirates, ranked from 5 to 1 in descending order. The top pirate has the right to propose how 100 gold coins should be divided among them. But the others get to vote on his plan, and if fewer than half agree with him, he gets killed. How should he allocate the gold in order to maximize his share but live to enjoy it?

5. How many times do the two hands on a clock overlap every day?

6. You have two jars, 50 red marbles and 50 blue marbles. A jars will be picked at random, and then a marble will be picked from the jar. Placing all the marbles in the jars, how can you maximize the chances of a red marble being picked? What are the exact odds of getting a red marble using your scheme?

7. You have to guess what the 6th number is.
   1, 2, 6, 42, 1806, ___???

8. The average height of a set of students is x. A new student of height $x + 10$ joins the group. Then, which of the following statements is true
   I The new average height of the students will be more than x.
   II The new average height of the students will be less than x.
   III Nothing can be predicted about the new average as x is not known.

9. There are 25 red balls, 47 green balls and 3 blue balls in a basket. There is a blind man. What is the minimum number of balls that the blind man has to pick to make sure that there are at least 2 balls of different colours?

10. You have 14 brown socks, 14 blue socks and 14 black socks in your sock drawer. How many socks must you remove (without looking to be sure) to have a matched pair?

11. In a lake, there is a patch of lily pads. Every day, the patch doubles in size. If it takes 48 days for the patch to cover the entire lake, how long would it take for the patch to cover half the lake?

12. There are two fathers and two sons. They walk into a candy store and each buys a candy bar for 50 paisa. The total for all of the candy bars was Rs1.50. How is that possible?

13. How can you give someone Rs83 using exactly 7 bills, without using any one rupee bills?

14. 144, 256, 400, 576, 784, ?

15. Which 4-digit number gives you the same number with the other way around when it multiplies by 4?

B. Solve the following questions in your Maths Notebooks.

R.S. Agarwal: Exercise – 4A Page No. 64 Question No. 1,4,5,6,7,8,9,10.