AMITY INTERNATIONAL SCHOOL
HOLIDAY HOME WORK
CLASS- VI
MATHAMITY (2011-12)

General Guidelines for Students:

1. The Theme for this year’s Mathamity is “Math around us”.
2. Mathamity is an Intra-Class Competition, which is going to be held on 29-30th July.
3. It is compulsory for all the students to participate in MATHAMITY.
4. The project work will be a suitable model, chart and short explanation with a hand written file (A4 size sheets to be used in the file) depicting their work should be submitted by each group.
5. The project should be cost effective and survey research based. Real data should be collected for statistical projects.
6. Only eco friendly material should be used by the students. (No plastic and no thermocol)
7. Project submitted should be child’s own creativity. Project will be disqualified if the professional’s help is taken.

ELEMENT ON WRITTEN REPORT/ FILE

A project report should be written on A4 size paper under the following suggested points.

Cover page

Index

1. Introduction
2. Aim and Objectives
3. Work plan/ Methodology
4. Observation
5. Data Analysis
6. Conclusion
7. How is research useful for further purpose?
8. Log sheets
9. Acknowledgement
10. Reference
MATHEMATICS
THEME - MATH IN OTHER SUBJECTS
SUB TOPICS -
GROUP 1. MATHEMATICS IN BIOLOGY
GROUP 2. MATHEMATICS IN GEOGRAPHY
GROUP 3. MATHEMATICS IN PHYSICS
GROUP 4. MATHEMATICS IN HINDI
GROUP 5. MATHEMATICS IN ENGLISH
GROUP 6. MATHEMATICS IN HISTORY

OUR WARD BELONGS TO _____ GROUP AND YOUR TOPIC IS _____

Address and Phone Numbers of the group members:

<table>
<thead>
<tr>
<th>no.</th>
<th>Name of students</th>
<th>Address</th>
<th>Phone Number</th>
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Enjoy science by doing one of the following projects. (as assigned)

1. Visit a local zoo and find out what special arrangements are made for the animals that have been brought there from different habitats. (Roll no. 1 to 6)
2. Make pinhole camera. (Roll no. 7 to 12)
3. Visit a nearby dairy and report about the processes used to separate cream from milk. (Roll no. 13 to 18)
4. Prepare a Kaleidoscope. (Roll no. 19 to 24)
5. Make your own glue. (Roll no. 25 to 30)
6. Prepare model of Electroscope. (Roll no. 31 to 36)

HINDI
क ‘प्रदूषण’ पर स्वरूप कविता लिखिए।
ख ‘काश में पक्षी बन जाता’ विषय पर 100 शब्दों अपने विचार प्रस्तुत कीजिए।
ग प्रेमचंद का कोई एक उपन्यास पढ़िए।
घ प्राकृतिक चित्रण को दर्शाते हुए एक कोलाज बनाइए।

ENGLISH: (1) Read chapter 1 to 5 of Gulliver’s Travels. Make a comic strip of any one of the chapters in 1/4th size chart paper.

(2) Look at the picture below and compose a nature poem in the grammar notebook.
Enjoy science by doing one of the following projects. (as assigned)

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HINDI
क ‘प्रौद्योगिकी’ पर स्वरचित कविता लिखिए।
ख ‘काश मैं पक्षी बन जाता’ विषय पर 100 शब्दों अपने विचार प्रस्तुत कीजिए।
ग प्रेमचंद का कोई एक उपन्यास पढ़िए।
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SSt

Prepare a project work on
- Paleolithic age, Mesolithic age, Neolithic age,
- Hunter, Gatherers- Tools used, habitat, cloths,
- Crop producers- changes in tool,
- weapon and habitat.

Computer

Draw ready Reckoner of History of computer and generation of computer Page No.- 11 & 12

रचना

1- स्ट्रीलिंग, पुलिंग, नियुक्तियों पर 10-10 अध्याय
2- खाल, पल, लता के रूप लिखें व आद में लें।
3- गर्मी गर्मी भालू के रूप आद में व लिखें।
Maths Worksheet
Class VI

1. The cost of 125 refrigerators is Rs 22368. What is the cost of 5 refrigerators?

2. Find the HCF of 72 and 90 by prime factorization method?

3. Find the HCF of 217, 385 and 735 by division method?

4. Find LCM of 240 and 300 by division method?

5. Define types of fractions with example.
   (a) Unit fraction
   (b) Proper fraction
   (c) Improper fraction
   (d) Mixed fraction
   (e) Equivalent fraction

6. Add \( \frac{7}{8} + \frac{6}{9} + \frac{12}{25} \) and

7. Find the difference
   (a) \( \frac{7}{8} - \frac{5}{12} \)
   (b) \( 2 - \frac{5}{9} \)

8. Meena purchased 12 metre of cloth. She used 7 meters for a bed sheet. How much cloth is left?

9. Multiply \( \frac{7}{4} \times \frac{8}{27} \)

10. Divide: \( \frac{8}{9} \div \frac{2}{5} \)
11. If the cost of 3 litre of petrol is ₹70. Find the cost of 1 litre of petrol?

12. Write in expanded form: 259.683

13. Write in words: 596.278

14. One metre of cloth cost ₹106.50. What is the cost of 8.5 metre of clothes?

15. Define angle and types of angles?

16. Draw the angles using protector?
   (i) 85  (ii) 45  (iii) 125

17. The table given below shows the number of students present in class during a week;

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>30</td>
<td>33</td>
<td>39</td>
<td>30</td>
<td>27</td>
</tr>
</tbody>
</table>

Draw the pictograph?

17. The length breadth and height of a cuboid are 12 cm, 8 cm and 6.5 cm respectively. Find its volume?

19. Find the area of a rectangle whose length is 8 m and breadth is 7.5 m?

20. Convert decimal into fraction and bring them to lowest term?
   (a) 65.75  (b) 12.375