

HOLIDAY ASSIGNMENT 2010-11

CLASS – IX

Dear Children

The long awaited summer vacations have finally come. A time to dip in the marvellous and wonderful world of fun and frolic, a time to splash your lives with colours of freedom, joy, relaxation and rejuvenation. Let's make the summer vacation an enjoyable and meaningful experience.

Guidelines for Holiday Assignments

- Holiday Homework to be submitted by 1st July 2010 after the school reopens.
- Summer Vacation is the time to drench yourself in fun and ecstasy. This time the holiday homework has been designed in such a manner that you engross yourself in fruitful endeavour without feeling the burden. Every section is getting holiday homework in one subject only so that you get enough time to exhibit your ideas, your innovative spirit to the brim. Hence each section gear up to showcase your best caliber and outshine others. However EVS project is compulsory for all.
- No model / chart / project should be purchased from the market. Each student is expected to do the homework honestly, sincerely and impressively.
- Practice regularly to improve your handwriting.
- Revise the syllabus covered so far and read the lessons in the text books thoroughly to be on the right track when you come back.

The following suggestions will make your holidays interesting and enriching:

Suggested Daily Routine

Get up early in the morning and exercise.

Go for a nature walk to take fresh and healthy air.

Meditate daily.

Have a nutritive diet.

Limit your screen time and watch selective shows.

Enjoy your vacation, drink plenty of water, try to avoid the scorching sun's heat between 12-4p.m. and remain happy and healthy.

Suggested Books to Read:

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|--|--------------------------|
| ▪ Three men in a boat – Jerome K Jerome | ▪ जयशंकर प्रसाद की कथाएँ |
| ▪ Pride and Prejudice – Jane Austen | ▪ मानसरोवर प्रेमचंद |
| ▪ White Tiger – Arvid Adiga | ▪ कविवर रहीम के दोहे |

Suggested Book Stores to Visit:

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| • <u>Crossword Book Store : Saket, Delhi</u> | • <u>Bahrisons Bookstore : Rajouri Garden, Delhi</u> |
| • <u>Oxford Bookstore : Connaught Place, Delhi</u> | • <u>Lovely Book Store : Sarojini Nagar, Delhi</u> |
| • <u>Wordsworth Janakpuri /D.C</u> | • <u>Corner Book Stores : Janakpuri, Delhi</u> |

Suggested movies / CD to watch:

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|-------------------------------|-----------------------------------|
| • Home Alone | • Pirates of the Caribbean |
| • Sound of Music | • Apollo 13 |
| • Chronicles of Narnia | • Cast Away |

Suggested Websites:

- www.wikipedia.com
- www.sofworld.com
- www.TCSWizkid.com
- www.thinkquest.org

Suggested TV Channels:

- The National Geographic
- Discovery
- ESPN or Star Sports
- Animal Planet
- Aastha (for health)

Suggested T.V. shows: MAD and Backyard Science (POGO), Earth Hour (Discovery)

Value Education Time

Respect elders.

Each one teach one.

Help the poor and needy.

Help your parents.

Water the plants.

Save water, save electricity.

Feed the birds and animals.

HOLIDAY ASSIGNMENT

“Summer Vacation – The very word spells joy and freedom, when you are the monarch of your own time- use your time judiciously, unravel your aesthetic self; surely new facets of your persona will blossom and bask in the glory of your achievement.”

EVS (Compulsory for all)

- 1) Make any one article from waste material i.e., *KABAR SE JUGAD* and write the procedure in the EVE scrap book.
- 2) Make a poster related to any one environmental problem.
For example, pollution, global – warming, scarcity of water, etc.

Class – IX A

English

Do a detailed study of the literary devices used in English literature like simile, metaphor imagery, irony, paradox, oxymoron, etc.

Take a chart; divide it into three halves (vertically). In each half write the definition and demonstrate the meaning of any one of the literary devices with the help of a fascinating pictorial depiction.

Make a chart of the commonly mis-spelt words and also give their correct spellings (Divide the chart into two equal halves. On the left column write the wrong spellings and on the right column give the correct ones.)

Make a chart of the wrong expressions, words, phrases commonly used in English and also give the correct usage (On the left column jot-down the wrong expressions, words, etc., and on the right column give the correct ones.)

Your chart should have an impressive border.

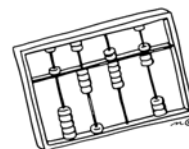
Class – IX B

Mathematics

Students are supposed to do any **one** of the following:-

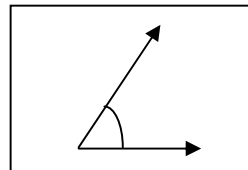
- 1) Make a **mathematical dictionary** on A4 size coloured sheets containing at least three words from each alphabet. Each word should be supplemented by its meaning.

Abacus - An **abacus** is a device used for counting or doing simple operations.



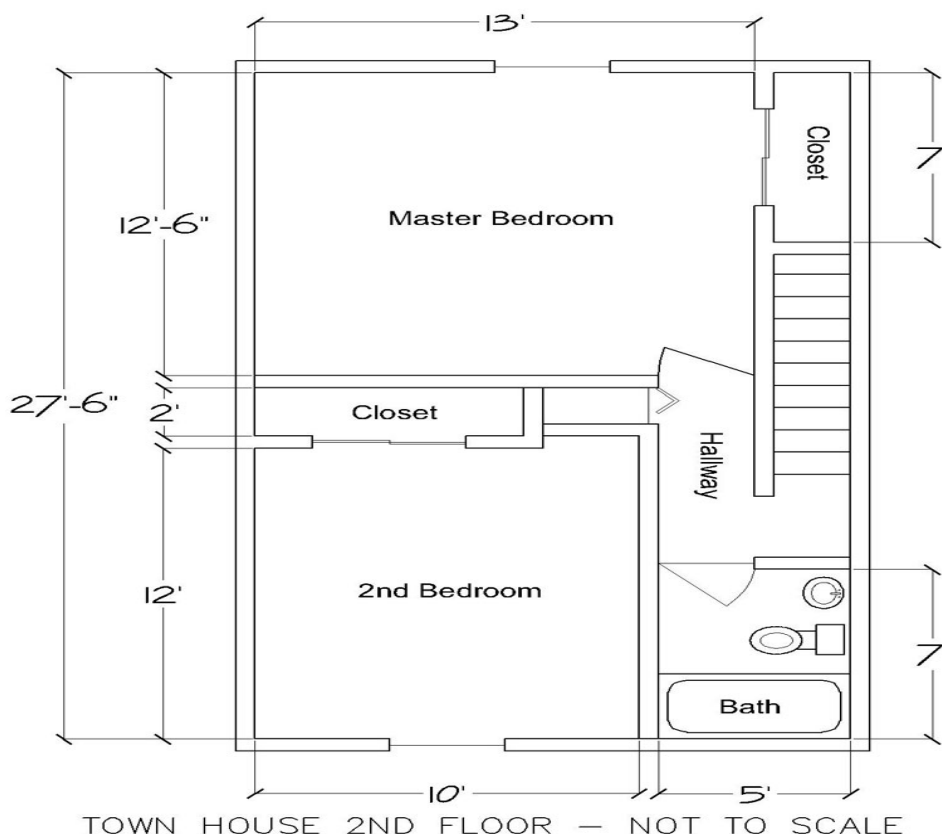
Acre – An **acre** is a unit for measuring area.
 $1 \text{ acre} = 43,560 \text{ ft}^2$

Acute angle – An angle whose measure is less than 90° .

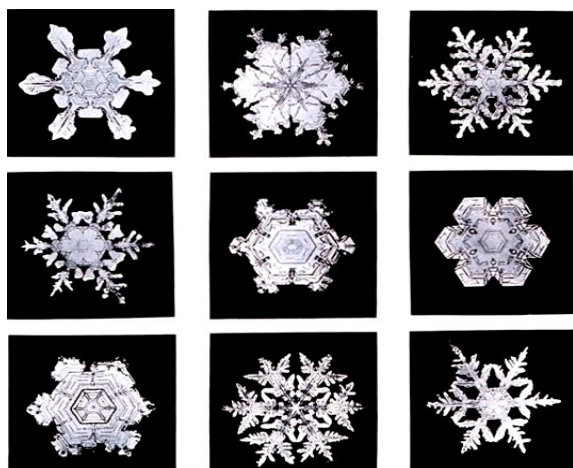


Pictures can be pasted or drawn

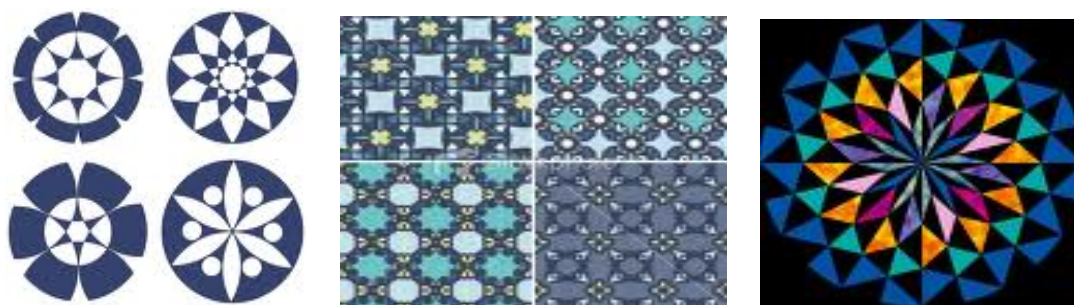
- 2) Using the lay out plan of any building/ apartment, calculate the **Area and Perimeter** of each room and prepare a detailed project report on it. *A sample of a layout plan is given for reference.*



- 3) Prepare a detailed report/ model to demonstrate the **Symmetry of Snowflakes**. (Paper folding/ cutting techniques may be used). *Some samples are given for reference.*



- 4) Prepare a collage/ model/ project report on the use of **Mathematics in Sports**.
- 5) Prepare at least **5 comic strips** that demonstrate or explain any mathematical concept or technique. Each strip should contain clearly drawn characters.
- 6) Prepare a **table cover** showing a pattern of various geometrical shapes/ patterns. (Fabric paints/ patch work/ embroidery may be used). *Some samples are given for reference.*



Note:- Computer presentations may be used to enhance the projects/ models

OR

Foundation of Information Technology

- a) Prepare a chart on the various toolbars available in Writer .
- b) Prepare flash cards on any of the following topics :
 1. Windows XP/ VISTA
 2. Types of Networks

Class – IX C

Science

- Roll no. 1- 10 will submit Physics model
- Roll no. 11- 20 will submit biology model
- Roll no. 21- 30 will submit chemistry model
- Project report is compulsory for all the students

1. Model

Physics (any one)

1. Longitudinal and transverse waves
2. Conservation of energy – green energy
3. Solution to traffic problems

Biology (any one)

1. Section of a stem
2. Plant or animal cell
3. Experiments showing tropic movements – geotropism, phototropism

Chemistry (any one)

1. Fractional distillation
2. Comparison of traditional and modern methods of food preservation

2. Project Report and Presentation (any one)

1. CFC in atmosphere cause depletion of ozone layer. One molecule of active chlorine destroys thousands of ozone (O₃) molecules. Collect information about –
 - i) which other molecules may damage ozone layer?
 - ii) Is the size of ozone hole changing?
 - iii) List the manmade products that release ozone depleting substances
 - iv) International initiatives for mitigating global change
 - a) UNEP
 - b) Montreal Protocol
 - c) Earth Summit
 - d) Kyoto Protocol
 - v) Make a POSTER to depict the ozone hole and its effects on human life
2. Take a close look at the electric meter installed in your house. Observe its features closely for a week:
 - i) Note readings of the meter each day at 8 a.m and 8 p.m
 - ii) How many units were used during the day and night?
 - iii) Tabulate your observations and draw inferences from the data.
 - iv) Collect information about the power stations in and around Delhi.
 - v) Suggest 10 alternatives to reduce the consumption of electricity
3. You must have heard of Euro I and Euro II norms for emission from vehicles. Find out how these norms work towards reducing pollution. Make a POSTER to depict the information.

HAPPY HOLIDAYS!!!