

MOTILAL NEHRU SCHOOL OF SPORTS, RAI-131029
DISTRICT-SONIPAT (HARYANA)

CLASS - 9th

HOLIDAY HOMEWORK

English	<ol style="list-style-type: none"> 1. Revise Tenses (Reported speech, active and passive, parts of speech) 2. Complete Units 1 to 4 of workbook 'Words & expressions'. 3. Complete your notebooks & revise the syllabus for pre-mid term. 4. Read newspaper daily. Learn and write at least two new words with meaning in your fair notebooks for enhancement of vocabulary.
Maths	<ol style="list-style-type: none"> 1. Do all the examples of Ch. 1,2,3,4 in a separate notebook. 2. Revise whole syllabus for pre-mid term exams. 3. Draw charts <ol style="list-style-type: none"> (i) R. NO. 1 to 10 – Write identities of Chapter – 2. (ii) R. No. 11 to 20 – Draw bar graph, histogram. (iii) R. No. 21 to 30 – Draw different types of quadrilaterals. 4. Purchase lab manual of mathematics from market & bring it after summer break.
Hindi	<ol style="list-style-type: none"> 1. प्राकृतिक आपदाओं का उल्लेख करते हुए उनसे बचने के उपायों (आपदा प्रबंधन) पर विस्तार से एक परियोजना कार्य तैयार करके लाँए। 2. क्षितिज भाग 1 के गद्य एवं पद्य पाठों के जिनका अध्यापन किया जा चुका है, उनके प्रश्नोत्तर लिखकर और याद करके आँए। 3. एक औपचारिक एवं एक अनौपचारिक पत्र लिखकर लाँए। 4. श्रीमद्भगवद्गीता के दो श्लोकों को हिन्दी व अंग्रेजी अनुवाद सहित लिखकर लाँए।
Science	<ol style="list-style-type: none"> 1. Revise the Unit : Matter in our surroundings for pre-mid term exams – Chemistry 2. Complete your notebook if there is any pending work due to any reason. 3. Complete your practical records – for Term -1 for all three sections Physics, Chemistry & Biology. 4. Students are requested to purchase their science practical record including lab manual during summer break. LAB MANUAL will be a guide to practical syllabus Term-1. <p>Biology Experiments :- Expt. 1 : Preparation of stained temporary mounts of (a) onion peel (b) human cheek cells and to record observation and draw their labelled diagram.</p> <p>Physics Experiments :- Expt. 1 : To verify the laws of reflection of sound.</p>

Chemistry Experiments :-

1. Preparation of :-

- a) A true solution of common salt, sugar and Alum.
 - b) A suspension of soil, chalk in water, sand in water.
 - c) A colloidal solution of starch in water. Egg albumin/milk in water and distinguish between these on the basis of :- Transparency, Filtration criterion & Stability.
2. Preparation of : (a) A mixture (b) A compound
- Using iron fillings & Sulphur powder and distinguish these on the basis of :-
- (i) Appearance i.e. homogeneity & heterogeneity.
 - (ii) Behaviour towards a magnet.
 - (iii) Behaviour towards carbon disulphide as a solvent.
 - (iv) Effect of heat.

Chapter 14 – Natural Resources. – An assignment based on the above chapter is being given. **(25 questions attached with holiday homework)**

- (i) Please write down these on A4 size both ruled sheets (to be submitted in a folder).
- (ii) Work should be done neatly as it will be evaluated as part of Internal Assessment.
- (iii) All work should be completed during holidays and submitted to the concerned teachers when you report back after break. **Late comers will not be entertained.**

Social Science

- A. Make a project on disaster management from any given topic :-
Earthquake OR Cyclone

Under Given heading.

- (i) Definition
 - (ii) Causes
 - (iii) Formation
 - (iv) Preparedness - Before, During, After
 - (iv) Mitigation
- B. Learn first three chapter of each subject History, Civics & Geography, Economics.
- C. Prepare & chart papers (A4 size sheet) as per the syllabus covered by the teachers.

CHAPTER: NATURAL RESOURCES

CLASS –9TH

- Q.1 Name the outer layer of the earth.
- Q.2 Write the name of two organisms, which take part in the nitrogen fixation.
- Q.3 Define hydrosphere?
- Q. 4 What is atmosphere? Q.5 What is the percentage of CO₂ pm Venus?
- Q.6 Define combustion
- Q.7 What is the role of ozone layer?
- Q.8 What will happen if the CO₂ concentration in the atmosphere increases?
- Q.9 How can you describe global warming?
- Q.10 How is Earth's atmosphere different from that of Venus and Mars?
- Q.11 At what stage water is said to be polluted?
- Q.12 Name of the man-made component which is responsible for the depletion of ozone layer.
- Q.13 How is 'humus' formed?
- Q.14 Why does the average temperature on earth remains fairly steady?
- Q.15 What will be result if the CO₂ concentration in the atmosphere increases?
- Q.16 Differentiate between the biotic and abiotic components?
- Q.17 Atmosphere plays an important role in the climate control. Justify the statement.
- Q.18 What is water pollution?
- Q.19 Define pollutants ? Give example of different types of air pollutants?
- Q.20 Give the wind movement during day and night in coastal area?
- Q.21 How is soil formed?
- Q.22 What are the methods of preventing or reduceing soil erosion?
- Q.23 You have heard and seen weather reports on television and in newspapers. How do you think we are able to predict the weather?
- Q. 24 Why is water so necessary for life?
- Q.25 Draw the following bio geochemical cycles:-
 - a) Nitrogen cycle
 - b) Carbon cycle
 - C) Oxygen cycle.