

**THE ASIAN SCHOOL, DEHRADUN**  
**HOLIDAY HOMEWORK OF SUMMER VACATION 2016 FOR CLASS IX**

- English:**
- Based on the prescribed long reading text, 'Three Men in a Boat' by Jerome K. Jerome, draw a character sketch in about 250 words of :
    - George
    - Harris
    - The Narrator
  - Using ideas from MCB Unit-1 'People', write a speech on 'The Role of Youth in Realizing the Dreams of Dr Kalam.' (250 words)
  - Read at least 2 books of your own choice during the vacations. Find out about the genre of that writing and other related such works in English language.

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**Hindi:**

- 1 fuEufyf[kr fo'k; k; ij 400 "k; nka ds fudk/ k fyf[k, & d½ l e; veW; /ku gA [k½ i M+ i k; s gekjs thou j {kd gA
- 2- fuEufyf[kr fo'k; k; ij i= fyf[k, & d½ vki ds "kgj ea vij k/ka dh of) ds dkj. ka vlg; mul sfui Vus ds l e-koka l fgr , d i= fd l h ifr' Br n; ud l ekplj i= ds l a; kd ds fyf[k, A [k½ vki us xfez; ka dh NqVV; k; fd l i; dzkj fcrkbz dk o.ku djrs gq vi us ukukth ds i= fyf[k, A
- 3- vi us fo |ky; eavk; k; tr ok'kd i; k; j r'kd forj. k fnol ij , d ifronu fyf[k, A
- 4- : 0Vh0&1 ds izui= ds mRrj vi uh gk; odz dkW h ea fyf[k, A

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**Mathematics: PROJECT WORK:**

**A. Prepare a investigatory project on various historical aspects of the Euclidean and Non Euclidean Geometry**

The project should have the following descriptions:

- History of mathematician who gave this concept.
- Difference between the Euclidean and Non Euclidean Geometry
- Famous Mathematical problems featuring Euclidean and Non Euclidean Geometry

**Reference:** Students should use all available resources (NCERT, INTERNET etc.)

**Instructions:**

- The project should be hand written.
- The project should be done in a stick file.
- The project should contain acknowledgement.
- The project should be of at least ten pages.
- It should have pictures and other relevant material.
- It should have real life examples based on the Euclidean and Non Euclidean Geometry
- The project report should be presented in the following order- a) Cover Page showing title of the project, student information, name of school and academic session. b) Acknowledgements, c) Bibliography
- Credit will be awarded to the original drawings, illustrations and creative use of materials.

**B. Solve both the SETS of FA 1 Question Papers in the Maths Class Work Notebook.**

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**Physics:** 1. Make a project on conservation of momentum and its application in Rocket propulsion.

Report should be covering the following aspects: i) Definition ii) Principle involved iii) Methodology  
iv) Applications of momentum in daily life. v) Picture & Diagram.

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**Chemistry:** 1. To prepare a report on different techniques used for purification of water i) Urban city ii) Rural area.

2. What are Emulsion give their chemical description and prepare a list of at least ten emulsions used in daily life.

**Evaluation Criteria :** i) Principle Involved ii) Subject Content iii) Presentation iv) Picture & Diagram v) Practical Applications

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**Biology:** Make an investigatory project report on plant and animal tissues emphasizing the following points:

- Structure and Use of Phloem fibres and sclerenchyma.
- Different kinds of connective tissues in human body.
- Structure and function of blood corpuscles.
- Mechanism of Blood Clotting.
- Location and role of cartilage.
- Location and role of ligaments and tendons – A case study.

**Instructions :**

- The project report should be handwritten in A-4 size pages.
- The project report should be presented in the following order- a) Cover Page showing title of the project, student information, name of school and academic session b) Acknowledgements c) Chapters with relevant headings d) Summary and Conclusion based on findings e) Bibliography
- Credit will be awarded to the original drawings, illustrations and creative use of materials.
- All photographs and sketches should be labelled and acknowledged.

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**Social Studies:**

**History : Topic :** "Personalities related to the French Revolution. Write their contributions in the French Revolution.

**Learning Outcomes :** This activity will enable the students to develop :

- Their Creative Skills
- Ability to comprehend the French Society in the 19<sup>th</sup> Century.
- Spirit of Enquiry.
- Scope for research.

**Method :** This activity can be completed in stick file and maximum pages should be 15 with images.

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**Geography : Topic :** Prepare a project on kinds of natural calamities occurring due to varied climatic condition. (pick any two)

**Guidelines :** Collect the information and picture from different sources like magazine, newspaper, internet and reference books.

**Object :** Bring awareness about the kinds of natural calamities and how climatic changes affect the environment and act as a cause of disaster. (No of Pages 10-15)

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**Economics : Topic :** Prepare an activity on need of vocational training for unskilled manpower and its significance in the growth of economy.

**Guidelines :** Children can collect the information from : a) NCERT                      b) Reference Book                      c) Journals & Magazines  
d) Newspapers                      e) Internet

**Note :** (No of Pages: 12-15)

**Objective :** To identify the need for vocational training for unskilled manpower and its contribution in national growth.

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**Computer:** 1. Make an activity to define various types of malware. What are the different ways to protect computers/ Networks from them.

**Note :** i) Paste / Draw Pictures                      ii) Must be hand – written                      iii) At least 10 pages.

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**Co-Scholastic :** 1. Write a story in about 300 words on any one of the following topic:

a) Your most bizarre dream-----                      b) When God came down to Earth-----

Write the story on the A4 sheet and mention the name class and section.

2. Write an article on FIRST AID in about 200 words.

3. Prepare a write up on your favorite game or sport. Paste pictures.

4. SUPW i) Make a poster on any **one** topics :                      \* Swaccha Bharat                      \* Global Warming (**Size – A3**)

**Colours :** i) Oil Pastels, Water Colour and Poster Colours

ii) Make a paper Bag

\* Use Colored drawing sheets or hand-made sheets.

\* Also Decorate that bag (Size – A3)

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