



Holiday Homework, 2019-20
CLASS XI C

**“To be ready for tomorrow’s opportunities, do your homework today.
Learn, refine your skills and focus on growth.”**

With an aim to make our students future ready..... we have assigned them a number of projects from within the subject domains that are research based. Choose the topics that excite you, explore the creative side of you and present your work as per the specific guidelines given by your mentors.

ENGLISH

Read the book, The Adventures of Sherlock Holmes by Sir Arthur Conan Doyle (Dover Thrift Edition) and do any one of the following questions on A4 sheets:

1. Sherlock Holmes is a legendary character created by Sir Arthur Conan Doyle. ‘Elementary, my dear Watson’, a phrase attributed to his great detective leaves his companion, Dr Watson amazed at the logic he gives after solving a crime.

From the repertoire of stories given as vacation read, go through the minute details on Sherlock Holmes’ character as given in the ‘Hound of the Baskervilles’. Concentrate on his age, mannerisms, personality, attitude, thought process and anything that strikes you as unique. Write a character sketch of this interesting character in 150-200 words. Alternatively let the artist in you draw/ sketch a picture of Sherlock Holmes as you imagine it.

2. With the solving of intriguing cases through the most logical reasoning, Sherlock Holmes contributes to the preservation of law and order. Comment on the statement quoting two stories that you read in the book suggested to you.

3. How does Sir Arthur Conan Doyle create an atmosphere of mystery and build suspense in his stories. Comment on his unique style of narration that keeps the reader riveted to the stories.

4. Create a profile of the famous author, Sir Arthur Conan Doyle. Put pictures and interesting information about him. Include a note about his most famous creation, Sherlock Holmes. Also write a short summary of any one of the adventures/mysteries that you have read in the book suggested to you.

5. Choose your favourite scene from any one of the story that you read in the book, The Adventures of Sherlock Holmes. Create a comic strip of the scene with colourful illustrations to make it a visual treat for the reader. Don’t forget to include dialogues/ conversation as mentioned in the story/ scene selected by you

PSYCHOLOGY

Make a project on emotions using survey method.

1. Prepare a questionnaire for assessing the relationship of emotions with another variable.
2. Give this questionnaire to any 10 individuals (strangers) and request them to fill it for you.
3. After data collection, analyse the data and form reasonable conclusions for the same.

PHYSICS / CHEMISTRY / BIOLOGY / COMPUTER SCIENCE / MATHEMATICS

Ideate, Innovate and Create

Technology has been changing the world as we see it at an extremely fast pace - with new and unique disruptive ideas in each and every part of our lives. The world is at the brink of the Fourth Industrial Revolution – and things are becoming increasingly smart and connected. India has been leading this space with several initiatives like Atal Innovation Mission, Start Up India, various grant schemes for new generation entrepreneurs etc; giving opportunities to youth to express their creativity and become innovators and entrepreneurs.

Keeping this in mind, the task given below aims to give young students a platform and opportunity to become solution creators for the problems they see around them and their communities. This will allow them to gain a basic understanding of 'Skills of the Future' such as Design Thinking, Ideation - idea generation, Making, Do-It-Yourself (DIY) Concepts, Collaboration etc.

Project work can be **investigatory/ working/ non working** models with reports and evidences. It can be done in either group of two or four students.

The project report should cover the following headers:-

- ✓ Cover page
- ✓ Contents
- ✓ Aim / Topic / Area of study
- ✓ Requirements
- ✓ Concepts involved
- ✓ Procedure / Investigative Techniques / Field work done
- ✓ Observations (if any)
- ✓ Calculations (if any)
- ✓ Result
- ✓ Analysis of Result (can be graphical representations)
- ✓ Inferences Drawn
- ✓ Bibliography / Resources

Suggested themes:-

- ✓ Agriculture and Organic Farming
- ✓ Health and Cleanliness
- ✓ Green Solutions – Waste / Resource management
- ✓ Transport and Communication
- ✓ Students/ women/ invalids safety device (Design the product or present the idea using Flash/ animation software)
- ✓ Research on Golden ratio

- ✓ Fibonacci series and its use in daily life

Suggested links:-

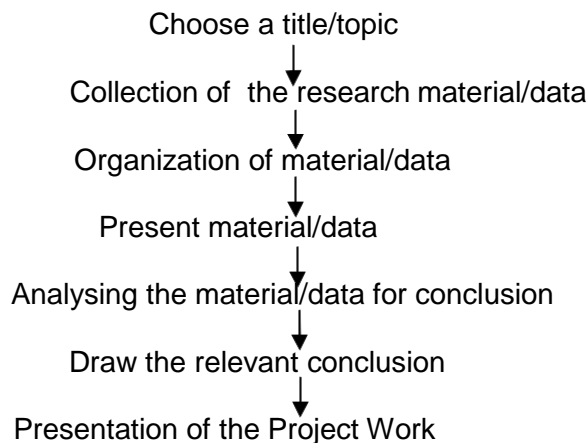
- ✓ www.online-inspire.gov.in
- ✓ www.irisnationalfair.org
- ✓ www.google-science-fair.com

ECONOMICS

According to the guidelines given below, select a topic and prepare the project.

Guidelines for Project Work in Economics

- Students will choose any one topic from the given list.
- project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written
- it will be an independent, self-directed piece of study
- Learners may work upon the following lines as a suggested flow chart:



Suggestive List of Projects:

Class XI	
<ul style="list-style-type: none"> • Prices in Local Market (taking real life situation or recent news) 	<ul style="list-style-type: none"> • Public distribution system-its effectiveness
<ul style="list-style-type: none"> • Solar Energy, a Cost Effective Comparison with Conventional Energy Sources 	<ul style="list-style-type: none"> • Bumper Production- Boon or Bane for the Farmer

<ul style="list-style-type: none"> Any other newspaper article and its evaluation on basis of economic principles 	<ul style="list-style-type: none"> Any other topic
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Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Marking Scheme :

S. No.	Heading	Marks Allotted
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva-voce	8
	Total	20 Marks

Physical Education

Sports are an integral part of the culture of every country. Other than the popular games that we all are familiar with, some indigenous games are played in our sub-continent.

Select **two games each** from India, Sri Lanka and Nepal.

- Make a colourful presentation which should be an ensemble of pictures and playing methodology of each game.
- Try playing at least **TWO** games and write a report of your experience of playing the games with your friends.

USE COLOURED A4 SHEETS TO PREPARE YOUR REPORTS