



Gems Akademia International School

SUMMER HHW - CLASS IX (ICSE)

Session: 2022-2023

ENGLISH LANGUAGE

Write a review of the movie 'Pursuit of Happiness'.

ENGLISH LITERATURE

Ruskin Bond's fascination with the paranormal finds expression in many of his stories. In the light of this statement, bring out the elements of a horror story in A Face in the Dark and any other story of the author.

HINDI

भारत त्योहारों देश है। समय समय पर आने वाले त्योहार जीवन में उल्लास और उमंग का संचार करते हैं साथ ही साथ हमें अपनी संस्कृति से भी जोड़े रखते हैं परन्तु आज त्योहारों प्रति लोगों की मानसिकता में बदलाव आ गया है।

BENGALI HHW

2nd Language Bengali

চিড়িয়াখানার প্রয়োজনীয়তা কি আদৌ আছে, পশু-পাখি কি চিড়িয়াখানায় নিরাপদ, তোমার অনুভূতি ও মতামত ৩০০ শব্দের মধ্যে লেখ।

অথবা,

'পরিশ্রমই সফলতার চাবিকাঠি' এই বাক্যটি অবলম্বনে একটি মৌলিক গল্প রচনা করো। (৩০০ শব্দ)

HISTORY and CIVICS HHW

Project Topic [As per council]

Highlight any one civic issue of your locality and suggest ways to address it.

Stick pictures.

GEOGRAPHY

SESSION:2022-23

GRADE IX (As per the Council)

Students will prepare a project on any ONE topic given below.

1. Weather records: Maintaining and interpreting weather records as found in the newspaper for at least 10 days.
2. Meteorological Instruments and their uses Six's maximum and minimum thermometer, Mercury barometer, wind vane, anemometer, rain gauge and hygrometer. Students have to draw diagrams and write about the meteorological instruments.

PHYSICS

Practical Work:

Experiment No. 1 –Determination of Mass of a metre rule by applying the

Principle of Moments.

Experiment No. 2 –(i) To show that when Refraction through a Glass Block takes place, the emergent ray is parallel to the incident ray.

(ii) To measure the lateral displacement. (Writing of Experiment 2. to be completed during the holidays, the Experiment to be done after the holidays).

Theory:

Both Experiments and the work from the Textbook have to be completed and Lab Manuals and CW Exercise books submitted on 13th June 2022.

CHEMISTRY

Topic: **Action of dilute sulphuric acid on some compounds :**

Children will be asked to record the observations, identify the gas evolved and make deductions in their Chemistry Lab Manual and submit the same post summer break.

[Topic has been selected as per the scope of ICSE Council for the examination year 2024]

BIOLOGY

Topics

TERM I

PRACTICAL WORK

- 1) Cell
- 2) Parts of a flowering plant
- 3) Floral parts of a flower
- 4) Cross pollinated flower and identification of their various parts
- 5) Animal cell
- 6) Food test

MATHEMATICS

Project 1: Conduct a survey of a group of students or family members or friends of different age group and collect data of age, height, weight.

Steps of the project: A survey is done by collecting the age, height, weight of students (or family member or friends) of different age group. They can conduct the survey on ten or more. After collecting the required data students need to find the average of age, height and weight and represent them graphically. They will represent the data on a bar graph and pie-chart and make comparison on age, height and weight.

Conclusion: write a conclusion on the project done.

ENVIRONMENTAL SCIENCE

1. Prepare a project on the global perspective of environmental problems with reference to the developed and developing countries. OR
2. Prepare a project on the sustainable communities of the world, their process of becoming sustainable over the years and responsibilities of their citizens, emphasizing on their objectives. The above topics are thoroughly research based. Insert related maps, pictures, graphical representations and other illustrations to make your project informative and interesting. Please provide a case study for your project. Make your presentation colourful and attractive.

ECONOMICS

Question 1

Comment on the relevance of the *Classical definition* of Economics in today's world.

Question 2

Compare and contrast the Economic thought given by *Prof Smith* and *Prof Keynes*

Question 3

Draw a line of distinction between the '*scarcity definition*' and the '*human problem*' oriented definition in terms of

- a) importance of man
- b) role of government
- c) rationality
- d) status of Science given to Economics

COMPUTER APPLICATIONS

Board based questions to be solved by the students)

Instructions: Please write the questions and answers in the Computer Applications notebook

Topic - Introduction to Java

- Q1. Who introduced Java programming language?
- Q2. What is a compiler? Give some examples of compilers.
- Q3. What is bytecode in Java?
- Q4. What is JVM?
- Q5. What is the difference between machine language code and byte code?
- Q6. "Java is platform independent." Why?
- Q7. Discuss any three features of Java.
- Q8. What do you understand by the term WORA?
- Q9. What are the different components of BlueJ?

COMMERCIAL APPLICATIONS

Project Topic given below

1. Study the growth of the Consumer Durables Industry in India - take any 4 firms of the industry and group them according to ownership structures.
2. Study the working of Fast-Moving Consumer Goods (FMCG) Industry in India - take any 4 firms of the industry and group them according to their Objectives (Profit/ Non-profit making).
3. Make a comparative study of different core industries in India - take any 5 industries (such as

- cement, steel, paints, paper, and infrastructure) and group them according to various factors such as - growth, profit potential, etc.

HOME SCIENCE

CHAPTERS

Topics:

- Identification of pulses, cereals and spices.
- Identification of serving and cooking equipments

ART

Topics

Collage	Collage describes both the technique and the resulting work of art in which pieces of paper, photographs, fabric and other ephemera are arranged and stuck down onto a supporting surface.
Theme	<i>Choose one starting point and develop your idea.</i> A. Song of the river. B. A flower vase. C. Festival.

PHYSICAL EDUCATION

Prepare a project with the following Guidelines

Cover Page

Name of the School:

Name of the student, Class, Section, Student ID:

Name of the Project:

Physical Education Project- 1 (Cricket)

Page -1: Project -1: Cricket

Page-2: Acknowledgement

Page-3: Index

Page-4: Introduction of the game (Brief History of the game, description of the game and recent status of the Game in National and International Platform).

Page -5&6: Rules of the game.

Page-7&8: Describe the major Skills of the game (at least 5)

Page-9&10: Describe the major fitness components required for performing well in the Cricket.

Page-11& 12: Explain any five drills that are used in improvement of shooting & Passing skills of Cricket.

Page 13&14: Describe the terminologies of the game (at least 10)

Page 15: Conclusion and References.

N.B: -a) To be prepared in Practical File. b) Pictures to be pasted as per the requirement.
