



ST. C.F. ANDREWS SCHOOL

SUMMER HOLIDAY HOMEWORK (2023 - 2024)

CLASS 10th

ENGLISH

Skit on any Ideal Character or Ambition

You have to prepare a small skit (1 min) on any one of the topics either on your favourite ideal or ambition and it will be presented in the class with proper props and costume at any given time.

HINDI

1. अपनी बालकनी, आंगन या घर के बाहर लगे किसी फूल अथवा फल के पौधे या पेड़ की आत्मकथा लगभग 100 शब्दों में लिखिए।
2. विभिन्न समाचार पत्र और पत्रिकाओं में से लघु कथाएं पढ़िए और जो अच्छी लगी हो, ऐसी कम से कम पांच लघु कथाएं एकत्र करके एक छोटी नोटबुक में चिपकाएं।
3. अपनी दादी मां नानी या इन्हीं संबंधों से मिलते जुलते घर की किसी बुजुर्ग महिला से उनके बचपन की बातों को सुने और उसे शब्दबद्ध करें।
4. अपने घर में काम करने वाली/वाले या घर के समीप टायर पंचर जोड़ने वाले/मोची/ कूड़ा बीनने वाले या ठेले पर टेंपेरी दुकान लगाने वाले किसी व्यक्ति का साक्षात्कार लें और उसे कलमबद्ध करें।

MATHEMATICS

1. Real number and Fundamental of Arithmetic
2. Prove that irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5} \dots$
3. Polynomial, Graphical representation of quadratic polynomial ($ax^2 + bx + c$) and linear polynomial ($ax + b$).
4. Scope of Mathematics in future.
5. Project in cardboard (thickness) or clay represent solid figure and plane figures
6. Activities :
 - To draw graph of a quadratic polynomial and observe
 - i. The shape of the curve, when the coefficient of x^2 is positive
 - ii. The shape of the curve, when the coefficient of x^2 is negative
 - iii. Its number of zeroes
 - To obtain the solution of a quadratic equation $x^2 + 4x - 60$ by completing the square geometrically.
 - To identify arithmetic progressions in some given lists of numbers (patterns).

- To establish the criteria for similarity of two triangles.
- To verify basic proportionality theorem (Thales Theorem).

SCIENCE

- Write the contribution of 10 scientists in physics.
- Make a list of 10 antibiotics with their sample and chemical composition.
- Make a project file on bacterial and viral diseases.

S. St.

Make a project in file with colourful pictures and in the creative manner on any ONE of the following topics :

A. CONSUMER AWARENESS

OR

B. SOCIAL ISSUES

OR

C. SUSTAINABLE DEVELOPMENT

COMPUTER

L-2 Web Applications

Q1. Write the steps to download Google Talk, create your own account and chat with your friend. Paste the screenshot of the chat window.

Q2. Write the steps to turn on sticky keys and paste the screenshot for the same.

Q3. Collect the information about any 4 instant messaging software.

Q4. Write the steps to create a blog and paste the screenshot for each step.

Q5. Download Qumana and create a blog.

Q6. Perform online transaction for booking a movie ticket or bill payments on the secured websites. Write the steps for the same and paste the screenshots.

Q7. Download an antivirus in your computer and gather information about it.

L-3 Word Processing

Q1. Using document templates create your own resume in MS WORD.

Q2. Divide your page into 3 columns and design a brochure on the topic “Heritage sites of Delhi” using illustrations, shapes and word art.

Q3. Insert a picture and wrap it along with the text using text wrapping feature.

Q4. Draw a flowchart to calculate largest of two numbers using shape in MS WORD.

Q5. Write the steps to insert special characters and symbols in MS WORD. Support each step with a screenshot.

Q6. Write three paragraphs on the topic “ Word Processor” and perform the following functions:

Instructions for file:

1. Take portfolio folder.

2. Prepare a title page including school name, your name and class & section.

3. Insert an acknowledgement page.

4. Write the steps and paste screenshots for each activity on a separate page.