



Modern International School

Sec-19, Dwarka , New Delhi-75

Class-X

SESSION -2020-21

SUMMER HOLIDAYS

Dear Parents and students

My humble greetings to all of you.

We have together as a team completed the innovative endeavour of digital online teaching for our children in the stressful and testing times of national lockdown during COVID-19.

I congratulate you for your patience, perseverance and support in making digital teaching learning process a success.

The students need a much awaited break to prepare themselves further to cope with the uncertainty that surrounds us due to the pandemic.



ENGLISH

1. Topic : Model Making/Chart Making and Revision

Content Coverage : Developing skills of creative expression through models/charts;

The first task involves the making of a chart or a model on the topics listed below (Roll No. wise).

- a. The students will submit the task on the first day that school reopens for evaluation and assessment.
- b. The students are encouraged to use their own creativity to prepare the chart/model. This task will be assessed as a regular HW .. Roll NO. -wise topics of the chart/model making task:-
- c. 1-6 Parts of Speech (nouns, pronouns, verbs, adverbs, adjectives, prepositions, conjunctions, interjections)
- d. 7-12 - Famous Authors and their Works
- e. 13-18- Poetic Devices
- f. 19-24- Contronyms (Words with contradictory meanings)
- g. 25- TILL END Commonly misspelled Words in English

2. As part of ASL students are required to record an Audio for 2 minutes on any topic of their choice.

3.. Research on the state of daily wage migrant worker in India in present COVID - 19 situation. Based on your research discuss the following issues:

- Plight of migrant labour in India. Support your arguments with facts.
- Reasons for their neglect.
- Measures taken by the Govt. to support them in lockdown .
- A case study of Legality , Politics and Perception of the Migrant Worker Crisis in Lockdown.

SCIENCE

BIOLOGY:

- 1) To make a model of i) Human heart/Brain/Artificial kidney.
- 2) To make a ppt of
 - a) respiration
 - b) nutrition
- 3) revise notes from ch-1&2

PHYSICS:

- 1) Make a model of(any one)
 - a) Electric bell
 - b) Parallel circuit
 - c) Series circuit
- 2) Revise chapter- **i) Electricity**
 - ii) Magnetic effect of electric current.**
- 3) Make a chart on the topic(any one)
 - a) Electric motor(diagram)
 - b) Electric generator(diagram)
 - c) Flemings right hand rule(statement + diagram)

CHEMISTRY

- 1) Practise exercise of chapter 1 and chapter 1.
- 2) Make a chart of long form of periodic table.
- 3) Learn chemical formulae of chemical compounds which are given in chapters-1,2,3,4,5

Mathematics

PROJECTS:

➤ COORDINATE GEOMETRY (Roll No. 1 – 10)

Make an illustrative project file for the following:

- i. Collect 10 cuttings of two dimensional objects (triangles/various types of quadrilaterals) from the newspapers/magazines etc. and paste them on separate graph sheets.
- ii. Locate their vertices using coordinate axes.
- iii. Find the length of their sides using ruler and calculate their area.

➤ STATISTICS (Roll No. 11 –20)

Make an illustrative project file for the following:

- i. Choose any 5 wards from South Delhi Municipal Corporation.
- ii. Find the number/names of candidates who contested for the elections from these wards.
- iii. Note their ages and prepare a frequency distribution table for the same taking 25 - 30 as one of the intervals.
- iv. Find the mean, median and mode of the above data.
- v. Construct histogram and frequency polygon for the same taking ages (in years) on x axis and number of candidates on y axis.

- vi. Collect information about qualification of these candidates and prepare a 'pie chart' under the following categories: Illiterate, up to class 10th, up to class 12th, graduate, post graduate and professionals.

➤ VOLUMES AND SURFACE AREAS

(Roll No. 21 - 30)

Make an illustrative project file for the following:

- i. Choose any 5 objects which are a combination of two or more 3D shapes (cuboid, cube, cylinder, cone, sphere and hemisphere).
- ii. Measure their dimensions (round off to nearest natural number) and note them in your file.
- iii. Calculate the curved/lateral and the total surface area of these solids.
- iv. Also, find the volume of these solids.
- v. Click pictures of the objects chosen and paste them along with the calculations. (You may also draw the pictures of the objects.)

Social Science

Prepare a project file with following details:

1. The total length of the project report should not be more than 15 written pages of foolscap size (A-4 size) sheet.
2. The project report should be handwritten and credit will be awarded to original drawings, illustrations and creative use of eco-friendly material.
3. The project report should be presented in a neatly bound simple folder.
4. The project report should be developed and presented in this order
 - a) Cover page showing project title, student information, school and year.
 - b) List of contents with page numbers.
 - c) Certificate page
 - d) Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).
 - e) Chapters with relevant headings.
 - f) Summary and conclusions based on findings.
 - g) Bibliography: should have the Title, author, publisher and if a website the name of the website with the specific website link which has been used.

MARKS DISTRIBUTION

Total Marks will be allocated over the different aspects of the Project Work in the following manner:- S.NO. ASPECTS (Marks)

- 1)Content accuracy and originality -1
- 2)Presentation and creativity -1
- 3) Process of Project Completion : Initiative, cooperativeness, participation and punctuality-1

4)Viva or written test for content assimilation 2 Total Marks for one project 5
Suggested Projects [Choose any one topic out of A, B or C]

A: DISASTER MANAGEMENT:

1. Generating awareness on Disaster Management.
2. Role of government / non-government functionaries in your locality in Disaster Management.
3. Identify and design structure safety measures for constructing disaster resistant buildings. (earthquake, landslide, cyclone and flood resistant) B:

POPULAR STRUGGLES AND MOVEMENTS:

4. Popular movement for democracy in Nepal and struggle for water in Bolivia.
5. Narmada Bachao Andolan
6. Long term movement :Women's movement or Environment movement

C: MONEY AND CREDIT:

7. Visit any bank and explain various activities undertaken by the banks.
8. Collect information about the micro credit schemes organised by Self Help Groups.

विषय :-हिंदी

*** निर्देश बिंदु:-हिंदी ग्रीष्मावकाश गृहकार्य को करते समय निम्नलिखित निर्देश बिंदुओं को ध्यान में रखिए :-**

- *.हिंदी कार्य पर अपना नाम , कक्षा और वर्ग अवश्य लिखिए ।
 - *.प्रत्येक कार्य सुंदर व आकर्षक किया जाना चाहिए ।
 - *.हिंदी कार्य को एक अलग फ़ाइल बनाकर कीजिए ।
 - *.फ़ाइल को परियोजना - कार्य के रूप में प्रस्तुत किया जाना आवश्यक है ।
 - *.लेखन - प्रक्रिया का ध्यान रखे ।
 - *.कार्य को समय पर पूरा करें
- (1).** किसी प्रार्थना - गीत (आत्मत्राण कविता के समान)को चित्र सहित लिखकर उसका भावार्थ लिखें ।
- (2).** कोई -दस सुविचार पढ़कर हरसुविचार पर एक कहानी बनाकर लिखें । उन सभी कहानियों को पुस्तक के रूप में लिखकर ,लेखक के रूप में अपना नाम लिखें ।
- (3).** दैनिक समाचार पत्र के लिए कोरोना से संबन्धित सुर्खियाँ तैयार कीजिए :-

***संकेत बिंदु :-**

- १.कोरोना का जन्मदाता देश
- २.विश्व की बिगड़ती अर्थव्यवस्था
३. लॉकडाउन का प्रभाव
- ४.मध्य -वर्गीय लोगों की दयनीय दशा

***निर्देश बिंदु :-**

१. भाषा सरल और सहज होनी चाहिए
२. कम से कम ४० से ५० शब्दों का प्रयोग करें।

INNOVATIVE ACTIVITY:

➤ (i) He is an M.A.

(ii) He is a M.A.

Both of these sentences are correct. Justify it.

➤ We are able to write certain multiplications as below in one step:

(i) $789 * 711 = 560979$

(ii) $1386 * 1314 = 1821204$

Explain the procedures for aforesaid multiplications as a mathematician