



MODEL ACADEMY

(THE PRESTIGIOUS SCHOOL OF MIER)

SUMMER VACATION HOMEWORK SESSION 2019- 2020

GRADE- IX

V- Visit the new place

A – Adhere to your routine

C- Create magic with your fingers

A- Add to your vocabulary daily

T- Try out innovations

I- Increase your stamina and ability

O- Offer help to those in need

N- Nurture positivity

S- Spread happiness

Dear Parents and Students

Summer vacation starts from **31st May to 14th July 2019.**

The school will re-open on **15th July 2019.** While the school would like that the children enjoy their holidays and return refreshed & rejuvenated, we are keen that you do some homework during the holidays so that the thread of continuity is not broken. The home work has been carefully prepared by your teachers with a view to strengthen the concepts taught and to enable you to use your creativity and imagination in an innovative manner. It will surely mould you for a better and successful forthcoming year.

General Instructions:

1. All the work will be given the weightage in Periodic Test.
2. The marks will be given on the basis of the criteria given below:
(a) Content (information collected) (b) Presentation & Neatness
(c) Timely Submission (d) Creativity & Innovation
3. Holidays Home work should be submitted latest by **18th July 2019.**
4. Revise all the work done in the class for Periodic Test.

- Note: -**
- Class work, home task, projects, and participation in co –curricular activities, sports etc. will be assessed regularly.
 - All the work should be done in respective notebooks.

ENGLISH

1. Revise all the chapters and poem done till the month of May of both the book.
2. Revise all kinds of TENSES.
3. Writing Skills

- a) Write a letter to the Editor complaining him about the scarcity of street light in your area.
- b) Write an application to your principal requesting him to remit your fine.
- c) Write a diary entry about your experience in a crowded bus in this hot weather.
- d) You are Swapinl. You saw a road accident today. Write a diary entry about you helping the victims.
- e) Your pet is not well, write a diary entry about it.
- f) Read the poem 'Wind' and write the summary of the poem.
- g) Read your favourite novel and write about your favourite character in it.

HINDI

1. पी. टी. उषा, आरती साहा और किरण बेदी की संक्षिप्त जानकारी चित्रों सहित उत्तर-पुस्तिका पर लिखें।
2. एवरेस्ट की चोटी पर पहुँचने वाले पर्वता रोहियों के नाम तथा उनके एवरेस्ट पहुँचने की तिथि उत्तर पुस्तिका पर लिखें।
3. 'जीवन युद्ध है- आराम नहीं' विषय पर वाद-विवाद प्रतियोगिता (पक्ष-विपक्ष)
5. पढ़ाए गए पाठों की पुनरावृत्ति।

MATH

1. Write the following cubes in expanded form:
 - a) $(2a - 3b)^3$
 - b) $\left[\frac{3}{2}x + 1\right]^3$
2. Evaluate the following using suitable identities.
 - a) $(99)^3$
 - b) $(102)^3$
 - c) $(998)^3$
3. Consider two 'postulates' given below:
 - a) Give any two distinct points A and B, there exist a third point C which is in between A and B.
 - b) There exist at least three points that are not on the same line.
Do these postulates contain any undefined terms? Are these postulates consistent? Do they follow from Euclid's postulates? Explain.
4. Why is Axiom 5, in the list of Euclid's axioms, considered a universal truth? (Note that the question is not about the fifth postulate).
5. Do naming Q's of Ex - 11.1 and Ex - 11.2.

SCIENCE

Physics:

1. Represent different types of Motion graphically by using different conditions.
2. Solve any two numerical of Motion from any source except your text Book.
3. Derive all three laws of Motion on A-4 sheet.

Chemistry:

1. Discuss any five methods of separation of components of a mixture. Draw diagrams of all five methods on A-4 sheets along with explanation.
2. Learn syllabus which is done in the class.
3. Write details on latent heat of fusion and vaporization on A – 4 sheet.

Biology:

1. Draw a well-labelled diagram of different types of cell.
2. Make sketch of all important cell organelles and mention their important function (2 functions).
3. Make an investigatory project report on the topic ‘Connective tissue’ emphasizing the following points.
 - a) Definition of connective Tissue.
 - b) Types of connective tissue (Blood, Bone, Ligament, Tendon, Cartilage areolar, Adipose).
 - c) Structure, location and four functions of different types of connective tissues. (With well labeled diagram)

Note: The project report should be hand written in A – 4 size pages.

SOCIAL SCIENCE

Geography:

1. Make a project on (Disaster Management (instruction have already been given)
2. On an outline map of India mark the following.
 - a) The Himalayan river system
 - b) The Pennisular river
 - c) National parks
 - d) Bird wild life centuries.

Civics:

1. Prepare a model on parliament house.
2. Explain about the making of Indian constitution.

History: (Make it on Project file)

1. Choose atleast two communities from Asia or Africa and prepare a photo essay on the life of the community.
2. Write in brief about the ideology of Hitler and features of Nazism?

ECONOMIC

1. Do the 1st activity log of Page No. 2 along with the questions.
2. Write in brief why females are paid less (Read the activity log on page no. 9.
3. Make a working model on Drip irrigation. (Already discussed with students).
4. Make a working model on passion wheel (Already discussed with students).

COMPUTER

1. Create time table of your class in MS-word with proper formatting applied on it and bring it in pen drive.
2. Revise previous chapters done.

URDU

Q1:-Learn and write a short note on "afsana and gazal "in your own words.

سوال نمبر ۱:- افسانہ اور ڈرامہ پر ایک مختصر نوٹ لکھیں اور یاد بھی کریں۔

Q2:-write a short summary on "hajjaj akbari"from your book in your own words.

سوال نمبر ۲:- حج اکبر کا خلاصہ اپنے الفاظ میں بیان کریں۔ اور کتاب کا حوالہ بھی دیں۔

Project

Q3:-paste a picture of sir syed ahmed khan and write few lines about him.

سوال نمبر ۳:- سر سید کی تصویر اپنی کاپی پر چکائیں اور سر سید کے بارے میں کچھ سطریں بھی تحریر بھی کریں۔

!!HAPPY HOLIDAYS!!