

MAMTA MODERN SR. SEC. SCHOOL

Dear Parents,

Greetings!

“Education is the passport to the future for tomorrow

belongs to those who prepare for it today”

A warm welcome to the complete session! We have successfully completed another academic session with your continuous cooperation. As an educational institution, our endeavour has always been to help the child gauge his own potential in the light of our guidance and support and encouragement. Like every year this year too our focus will be to create varied platform that will enable the child to push his own limits and become a successful individual.

We hope this year too, we can work magic together so that we can be proud of our children.

ASSESSMENT:

Class I-IV: Four Cycle Tests will be conducted throughout the year.

Class V: Three Cycle Test and one Summative Exam in March will be conducted.

Class VI-IX: Two Unit Tests, Half Yearly Exams in September and Annual Exam in March will be conducted.

Class X: Two Unit Tests, One Half Yearly and Two Pre-Boards will be conducted throughout the year.

Formative Assessment will be carried out using the tools such as Class Work, Homework, Class Response, Projects, Assignments and class tests etc.

Tips for Parents:

1. Try to communicate with your child in English.
2. Encourage your ward to participate in all Class Activities.
3. Help the child in completing his/her project work rather than doing it yourself.
4. **For English and Hindi- Grammar topics done from April will be tested in every Cycle Test.**
5. **Cycle Test will not be conducted before or after the schedule date.**
6. Dates for Cycle Test can be confirmed from the diary as well (Refer Page no.30-31).
7. All activities conducted during the year will be marked for formatives.
8. We discourage buying of project work from professionals. Children will be given better grades for self work.
9. Spelling Tests for all subjects will be conducted weekly.
10. Class Test will be conducted after every chapter.
11. Encourage your child to read good story books which will help to improve their language.

We fervently hope that the introduction of this system will have its consequent impact on the learning environment both in the school and at home and will also facilitate the child to grow in a more holistic manner.

Note: The maximum marks for each Cycle Test and Summative Exam is given in table with each

subject.

PRINCIPAL

Syllabus 2017-18
CLASS – X
ENGLISH

Prescribed Books

1. Interact in English-Literature Reader
2. Interact in English-Main Course Book
3. Long Reading Text-The Story Of My Life by-Helen Keller
4. Interact in English-Workbook

ASSESSMENT:

The student has to secure:

- 33% marks out of 80 marks(Board Exam)
- 33% marks out of 20 marks (Internal Assessment)

TOTAL -100 MARKS			
Internal Assessment (20 Marks)			
Board Exam (80 marks)	Periodic Test- 10 marks (Average of the best two out of three)	Notebook Submission- 5 marks <ul style="list-style-type: none">• Regularity• Assignment Completion• Neatness and Upkeep	Speaking & Listening Skills - 5 marks
MONTH	COURSE CONTENT		ASSESSMENTS
APRIL AND MAY	Literature Reader: Ch-Two Gentlemen of Verona, The Letter Poems-The Frog and the Nightingale and Not Marble Nor the Gilded Monuments M.C.B.: Unit 1-Health and Medicine Writing skill: Short Story Writing(Given outlines or cue/s) Grammar-Integrated Grammar		
UNIT TEST I	Syllabus: Literature Reader: Ch- Two Gentlemen of Verona Poems-The Frog and the Nightingale and Not Marble Nor the Gilded Monuments M.C.B.: Unit 1-Health and Medicine Writing skill: Short Story Writing Grammar-Integrated Grammar Unseen Passage Story Of My Life: lessons 1 to 6		
JULY	Literature Reader: Ch- Mrs. Packletide's Tiger and The Dear Departed M.C.B.: Unit 2 Education Writing Skill : Formal Letter(Complaints and Letter to the Editor)		Speaking Skill-Speech on "Empowering the Girl is Empowering the Nation"

	Grammar-Integrated Grammar	
AUGUST	Literature Reader: Ch-A Shady Plot Poem-Snake M.C.B.: Unit 3 Science Grammar-Integrated Grammar	
HALF YEARLY EXAM	SYLLABUS: Literature Reader:Ch- Two Gentlemen of Verona, The Letter, Mrs. Packletide's Tiger and The Dear Departed Poems-The Frog and the Nightingale, Not Marble Nor the Gilded Monuments, Snake M.C.B.: UNITS-Health &Medicine, Education, Science Writing Skills: Short Story & Formal Letter(Complaints& Letter to the Editor) Grammar-Integrated Grammar Story of My Life - 1 to 14	Revision for Half Yearly Exam
SEPTEMBER	Literature Reader: Ch- Virtually True Poem- Mirror Writing Skill- Formal Letter(Placing Order) Grammar-Integrated Grammar	
OCTOBER	Literature Reader : Ch.-PatolBabu Poem: Ozymandias M.C.B. : Unit 4 -Environment Writing Skill-Formal Letter (Enquiry) Grammar-Integrated Grammar	
UNIT TEST 2	SYLLABUS: Literature Reader: Ch- A Shady Plot,Virtually TruePoem- Mirror Writing Skill- Formal Letter (Placing Order) Grammar-Integrated Grammar	
NOVEMBER	Literature Reader: Poem-Rime of the Ancient Mariner(Part 1 & 2) Revision of all writing skills Grammar-Integrated Grammar	Revision for Pre Board 1
PRE BOARD I	SYLLABUS: Literature Reader:Ch- Two Gentlemen of Verona, The Letter, Mrs. Packletide's Tiger, The Dear Departed, A Shady Plot, Virtually True, PatolBabu Poems-The Frog and the Nightingale, Not Marble Not Gilded Monuments, Snake, Mirror, Ozymandias,Rime of the Ancient Mariner (Part 1) M.C.B.: UNITS-Health &Medicine, Education, Science, Environment	

	Writing Skills: Short Story and Formal Letter Writing(Complaints/Enquiry/Placing Order/Letter to the Editor)	
	Grammar-Integrated Grammar Story of My Life - 1 to 20	
DECEMBER	Literature Reader: Ch-Julius Caesar M.C.B.:Unit 5 -Travel and Tourism Writing Skill-Revision of all the writing skills Grammar-Integrated Grammar	
JANUARY	Literature Reader : Ch.-Julius Caesar M.C.B.-Unit 6-National Integration Grammar-Integrated Grammar	Listening Skill Revision for Pre Board Exam II
PRE BOARD II	SYLLABUS: The whole syllabus covered from April to January& The Story of my Life (1 to 23)	
FEBRUARY		Revision for Annual Exam
MARCH	Annual Exam: The Whole Syllabus as per CBSE Curriculum	

MATHEMATICS

PRESCRIBED BOOKS:

NCERT, LAB MANUAL

ASSESSMENT:

The students has to secure:

- **33% marks out of 80 marks (Board Exam)**
- **33% marks out of 20 marks (Internal Assessment)**

Internal Assessment			
Board Exam (80 marks)	Periodic Test – 10 marks	Notebook– 5 marks <ul style="list-style-type: none"> ➤ Regularity ➤ Assignment completion ➤ Neatness and upkeep 	Lab Activity and Practical File – 5 marks
MONTH	COURSE CONTENT	LAB MANUAL ACTIVITIES	

APRIL	Ch – 1 Real Numbers Ch-2 Polynomials Ch-3 Linear equation in two variable	1. Activity – To find the number of zeros of the given polynomial by graphical method. 2. Activity – To find the conditions for consistency of system of linear equation by graphical method.
MAY	Ch – 14 Statistics Ch – 8 Introduction of Trigonometry	
UNIT TEST-1	UT 1 Syllabus Ch- (2,3,14)	
JULY	Ch –4 Quadratic equation. Ch-5 Arithmetic progression.	3. Activity – To solve the quadratic equation by the method of completing the square by paper cutting and pasting 4. Activity –To verify that given sequence is an arithmetic progression by paper cutting folding and pasting. .
Half yearly Exams	Ch (1,2,3,4,5,8,14)	
AUGUST	Ch – 6 Similar triangle Ch- 7 Coordinate Geometry	5. Activity – To verify BPT theorem. 6. To show the ratio of areas of two similar triangles is equal to the square of the ratio of their corresponding sides. 7. To verify Pythagoras theorem by paper cutting and folding 8. Activity – To verify the section formula by graphical method.
SEPTEMBER	Ch - 7 coordinate Geometry cont. Ch – 9 Application of	9. Activity-To make clinometers and use it to measure the height of an object

	Trigonometry	
U T -2	SYLLABUS (CHAPTER 6,7,9)	
OCTOBER	Ch – 11 Construction Ch – 15 Probability	10.To get familiar with the idea of probability of an event through a double colour card experiment
Nov pre board 1	Ch 1,2,3,4,5,6,7,8,9,11,14,15,	
NOVEMBER	Ch – 10 Circles Ch – 12 Area Related to Circle	11. Activity – To verify the length of tangents drawn from external points to a circle.
DECEMBER	Ch – 13 Surface area and volume. Revision	12.Activity – To obtain the lateral surface area of the cylinder in term of radius and height.
JANUARY	REVISION AND DOUBTS.	
Pre board -2	Full Syllabus	

SCIENCE

Prescribed books: NCERT

Lab Manual-APC

Assessment

The student has to secure:

- 33% marks out of 80 marks (Board Exam)
- 33% marks out of 20 marks (Internal Assessment)

Total 100 marks

Internal Assessment

Board Exam (80 marks)	Periodic Test – 10 marks (Average of the best out of three)	Note Book – 5 marks <ul style="list-style-type: none"> ➤ Regularity ➤ Assessment Completion ➤ Neatness and upkeep 	Lab Activity and Practical File - 5 marks
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MONTH	COURSE CONTENT	ACTIVITY
APRIL-MAY	Ch-1 Chemical reactions and equations Ch-6 Life Processes	1. To carry out different reactions and classify them as physical and chemical changes 2. Prepare a temporary mount of a leaf peel to show stomata.

		3. To show that carbon dioxide is given out during respiration
	Ch-2 Acids, Bases and Salts Ch-12 Electricity Ch-7 Control and Coordination upto pg.no 117	4. To determine the pH of given samples by using pH paper/universal indicator. 5. To study the properties of acids and Bases 6. To study the dependence of potential difference across a resistor and determine its resistance 7. To determine the equivalent resistance of two resistors connected in series. 8. To determine the equivalent resistance of two resistors connected in parallel.
July UNIT TEST-I	Ch-7(Control and Coordination contd.) Ch- 3(Metals and non-metals) Ch- 11(Human eye and the colourful world) Ch-14 (Source of Energy) Syllabus - Theory: Ch-1,6,12 ➤ Practical: 1,2 Expt.No.3,6,7,8	9. To observe the action of Zn, Cu, Al, Fe on ZnSO ₄ , FeSO ₄ , CuSO ₄ , Al ₂ (SO ₄) ₃ 10. To trace the path of a ray of light passing through a rectangular glass slab. 11. To trace the path of a ray of light passing through a prism.
August Practical Exam Half Yearly Exam	Ch-4 (Carbon and its compounds) Syllabus Expt.No. 1 to 11 Syllabus Ch-1,2,3,6,7(upto pg.no. 117), 11, 12 and 14	12. To study the comparative cleaning capacity of a sample of soap in soft and hard water. 13. To study the properties of acetic acid Revision of Half Yearly Exam
September	Ch-8 (How do organisms reproduce) Ch-13(Magnetic effects of electric current) Ch-5 (Periodic classification of elements)	14.To study binary fission in Amoeba and budding in yeast with the help of prepared slides. 15. To identify different parts of an embryo of a dicot seed.
October UNIT TEST-II	Ch-9(Heredity and Evolution) Ch-10 (Light-Reflection and refraction) Syllabus -	16. To determine the focal length of given (1) concave mirror (2) convex lens 17. To draw the images of an object formed by a convex lens when placed at various positions.

	Theory: Ch-4, 9, and 13 Practical: Expt.No. 12,13	
November Pre-board – I	Syllabus - Ch-1,2,3,4,5,6,7,8,9,10,11 12,13 and 14	Revision for Pre-Board - I
December	Ch-15 (Our environment) Ch-16 (Management of Natural Resources)	Revision for Practical Exam
January Pre-board – II	Syllabus - Ch-1,2,3,4,5,6,7,8,9,10, 11,12,13,14,15,16	Revision for Pre-Board - II
February Board Practical Exam	All Activities which includes: ➤ Experimentation ➤ Viva voce ➤ File	Revision for Board Exam

SOCIAL SCIENCE

Prescribed Books: -NCERT

Reference book : A complete text book of Social Science by Evergreen

Assessment: The students must secure;

*33% marks out of 80 marks (Board Exam)

*33% marks out of 20 marks (Internal Assessment)

Internal Assessment			
Board Exams 80 marks	Periodic Test 10 marks	Notebooks – 5 marks *Regularity *Assignment completion *Neatness and upkeep	Project and Map skills- 5 marks

MONTH	COURSE CONTENT	ASSESSMENT
APRIL-MAY	Political Science Ch-1 Power Sharing Geography Ch-1 Resources and Development Economics Ch-1 Story of Development History Ch-2 Nationalism in India-China	Graph Work (Pie Diagram showing Power Sharing) Map work On an outline map of India, mark and shade the areas of Red and Yellow Soil, Black soil, Alluvial soil, Forests and Mountainous Soil, Laterite soil

		and Arid soil. Project on Disaster Management Aim – To study in detail about different aspects related to disaster and its mitigation measures. OR Money and credit –Aim to study in detail various aspects of financial matters.
July	Geography Ch-3Water Resources Pol. Sci. Ch-2 Federalism History Ch-3 Nationalism in India Economics Ch-2 Sectors of Indian Economy	Map Work: On an outline map of India, mark major Rivers and Dams.
Unit Test 1	Syllabus: Geo- Ch 1, P.Sc.- Ch1; Eco- Ch 1	
August Half Yearly Examination	Political science Ch-3, Democracy and Diversity Syllabus: His - Ch2, 3; Pol Sci- Ch1,2,3; Geo-Ch1,3; Eco- Ch 1,2	
September	Geography Ch-4, Agriculture History Ch-6 Work, Life & Leisure Economics Ch-3 Money and Credit	Map work: On an outline map of India, mark and shade the major and minor areas of Wheat and Rice.
OCTOBER Unit Test -II	Economics: Ch-4 Globalization Pol. Science. Ch-4, Gender, Religion & Caste Syllabus- P. Sc.- Ch 4, Geo- Ch 4, Eco- Ch 3, 4	
NOVEMBER Pre-Board -I	Geography- Ch-5 Minerals and Energy Resources Syllabus: History Ch-2,3, 6; Geo Ch- 1,2,3,4,5, Pol Sci. Ch1,2,3,4 Eco Ch 1,2,3,4	Map Work: On an outline map of India, mark the important minerals, Energy Resources and Power Plants.
DECEMBER	History Ch-4 Print, Culture & Nationalism Economics Ch-5 Consumers Right Geography Ch-6 Manufacturing Industries Ch-7 Lifelines of National Economy Map Work:	Map Work: On an outline map of India, mark major Textile Industries, Iron and Steel Plants and Software Technology Parks Map Work: On an outline map of India, mark National Highways of India, Indian Railway Zones and major Airports and Seaports.

JANUARY	Pol. Sc. Ch-6 Political Parties Ch 7 Outcomes of Democracy Ch-8 Challenges to Democracy	Revision for annual exam
FEBRUARY Pre-Board -II	Syllabus: Full Syllabus as per CBSE	

COMPUTER SCIENCE

FIT (Foundation of Information Technology)

Prescribed Book:- Foundation of Information Technology(by Jiwan Publications)

MONTH	COURSE CONTENT	ASSESSMENT
April	Ch – 1 Internet	----
May	Ch – 2 Services available on Internet	Activity : To search about the various search engines available & create a list with their features.
July	Ch – 3 Database Management Tool	Activity : Make a database in MS-Access to store details about the students of your class and set Primary key.
August	Ch – 4 Hypertext Markup Language	-----
September	Ch – 5 More on HTML	Activity : Make a web page in HTML using the tags which we have done.
October	Ch – 6 XML	Activity : To create an XML document which stores details of student.
November	Ch – 7 Computer Security Risks	Activity : Project work on HTML.
December	Ch – 8 Benefits of ICT	Activity : Make a PPT to highlight the importance of ICT in all areas such as banking, learning etc.
January	Project Related with IT Applications.	Activity : Project work on HTML.

ART & CRAFT

Book Name : Colour your Imagination

April and May

1. Elements of Art
 - # Knowledge about lines, colours , Textures, Space ,Perspective
 - # Knowledge about 2D and 3D shapes
2. Study of Flowers, Fruits and Vegetables

Holiday homework

- # Make a beautiful Paper Mask of human face by using News paper only

July and August

3. Fruits and Vegetables composition
4. Study of human Face
 - # Eyes ,Nose, Lips and Ears
5. Study of Hands and Feet

September and October

6. study of Human proportion
7. Study of human body with stick drawing
8. Study of human body with geometrical shapes

November , December and January

9. Drawings of human body with different posture
10. Still life composition
 - # Minimum two each (with pencil and colours)
11. Study of Trees
12. Basic study of Landscape
13. Composition (minimum two human figure)
 - # Village scene, Market scene and Festival

