

## SYLLABUS OF CLASS IX (2011-2012)

### ENGLISH

#### 1<sup>st</sup> Term

<b>April</b>	<b>Literature Reader :</b> How I Taught My Grandmother to Read <b>MCB:</b> People <b>WB:</b> Verb-form <b>Writing:</b> E-mail, Writing Dialogue , Informal letter
<b>May</b>	<b>Literature Reader :</b> The Brook <b>WB:</b> Determiners , Integrated Grammar Practice I <b>Writing:</b> Completing a story , Describing a Person .  <b>Project :</b> Radio Show
<b>July</b>	<b>Literature Reader :</b> A Dog Named Duke , The Road Not taken <b>MCB:</b> Adventure <b>WB:</b> Future Time Reference, Integrated Grammar Practice II <b>Writing:</b> Article Writing , Paragraph writing , Newspaper Article Writing , Diary Entry
<b>Aug</b>	<b>Literature Reader :</b> The Solitary Reaper , Villa for Sale <b>MCB:</b> Environment <b>WB:</b> Modals <b>Writing:</b> Letter to the Editor , Paragraph Writing , Writing a dialogue , Report
<b>September</b>	<b>Literature Reader :</b> Lord Ullin's daughter <b>WB:</b> Integrated Grammar Practice III <b>Writing:</b> Speech , Message  FA 1 UT – 20 HW – 10 CW – 10 Radio Show – 10 SA1 – 50 * 2 = 100
	FA 2 MCQ - 20 Assignment - 10 Role Play - 10 More about Poets - 10 SA 2 – 50 *2 = 100

#### 2<sup>nd</sup> Term

<b>October</b>	<b>Literature Reader :</b> The Man Who Knew too Much , The Seven Ages <b>MCB:</b> Mystery <b>WB:</b> Connectors , The Passive , Integrated Grammar Practice IV <b>Writing:</b> Expanding Headlines, Process writing , Diary Entry , Paragraph Writing , Writing a Mystery story
<b>November</b>	<b>Literature Reader :</b> Keeping it from Harold , Oh , I Wish I'd Looked After My Teeth <b>MCB:</b> Mystery (cont.....) <b>WB:</b> Integrated Grammar Practice V , Reported Speech <b>Writing:</b> Diary Entry , Film review  <b>Project :</b> Reading
<b>December</b>	<b>Literature Reader :</b> Song of the Rain , Best Seller <b>MCB:</b> Children <b>WB:</b> Preposition , Integrated Grammar Practice VI <b>Writing:</b> Debate , Article Writing , Writing a dialogue , describing a place
<b>January</b>	<b>Literature Reader :</b> The Bishop's Candle sticks

**MCB:** Sports and Games

**WB:** Integrated Grammar Practice VII

**Writing:** Completion of Biography , Informal Letter , Debate , Bio-Sketch , Writing a report , E-mail , Notice Writing

**February** Revision

FA 3  
UT – 20  
HW – 10  
CW – 10  
Reading Assignment – 10  
SA1 – 50 \* 2 = 100

FA 4  
MCQ - 20  
Assignment - 10  
Role Play - 10  
More about Poets - 10  
SA 2 – 50 \*2 = 100

## MATHS

### I TERM

**April**

#### NUMBER SYSTEM

1. Review of natural numbers , integers and rational numbers. (Ex 1.1 & 1.2)
2. Irrational numbers and their representation on number line . (Ex 1.3 )
3. Real numbers and their decimal representation. (Ex 1.5 )
4. What kind of decimal representation does rational and irrational numbers have. (Ex1.5)
5. Representing real numbers on the number line. (Ex 1.5)
6. Operation on real numbers. (Ex 1.5)
7. How to perform rationalization of real numbers of the type (Ex 1.6)
  - (i)  $1/(a+b\sqrt{x})$
  - (ii)  $1/(\sqrt{x} + \sqrt{y})$
8. Laws of exponents for real numbers . (Ex 1.6)

**April / May**

#### ALGEBRA - POLYNOMIALS

1. Definition of polynomial, it's co-efficient with examples, its degree, constant, Linear, quadratic, cubic polynomials (Ex 2.1)
2. Zeros of a polynomial. (Ex 2.2)
3. Statement of remainder theorem with examples. (Ex 2.3)
4. Statement of factor theorem with examples. (Ex 2.4)
5. Factorization of Polynomials (Ex 2.4)
6. Recalling of algebraic expressions & identities
7. Identities of types  $(a+b)^3$  ,  $(a-b)^3$  ,  $a^3+b^3$  ,  $a^3-b^3$  etc. (Ex 2.5)

#### CO-ORDINATE GEOMETRY.

1. Cartesian plane, Co-ordinates of a point. (Ex 3.1)
2. Plotting points in the plane (Ex 3.2)
3. Names and terms associated with Co-ordinate plane (Ex 3.3)

**July**

#### INTRODUCTION TO EUCLID'S GEOMETRY

#### EUCLID'S DEFINITONS, AXIOMS & POSTULATES

#### LINES AND ANGLES

1. Basic terms and definitions. (Ex 6.1)
2. To prove that if two lines intersect each other then vertical opposite angles are equal.
3. Results on corresponding angles , alternate angles etc. (Ex 6.2)

Angle sum property of triangle (Ex 6.3)

## TRIANGLES

1. Congruence of triangle
  2. } S S S (Ex 7.1)
  3. } S A S Congruency (Ex 7.2)
  4. } A S A (Ex 7.3)
  5. } R.H.S
- INEQUALITIES OF A TRIANGLE (Ex 7.4)

**Aug / Sep**

MENSURATION  
HERON'S FORMULAE

### FA 1

UT – 20 Marks  
CW -10 Marks  
Assignment – 10 Marks  
Project Work – 10 Marks  
Total – 50x2 = 100 Marks

### FA 2

UT2-MCQ (Theory)- 20 Marks  
Hands on Activity – 30 Marks  
Total – 50x 2 = 100 Marks

**SA1** – 90 Marks

## II TERM

**October**

QUADRILATERALS

1. Angle sum property of quadrilateral types of quadrilateral. (Ex 8.1)
2. Properties of Parallelogram (Ex 8.2)
3. Mid point theorem (Ex 8.3)

**November**

AREAS OF PARALLELOGRAMS & TRIANGLES

1. Parallelograms of same base and between same parallels (Ex 9.1, 9.2)
2. Triangles on the same base and between same parallels (Ex 9.3)

CIRCLES

Properties of a circle and cyclic quadrilaterals (Ex 10.1 – 10.3)  
Cyclic quadrilaterals

**December**

CONSTRUCTION

LINEAR EQUATIONS IN TWO VARIABLES

1. Recalling linear equation in one variable. (Ex 4.1)
2. Linear equation in two variables
3. Solution of linear equation (Ex 4.2)
4. Graph of linear equation in two variable (Ex 4.3)
5. Equation of lines parallel to x-axis and y-axis (Ex 4.4)

**Dec / Jan**

SURFACE AREAS AND VOLUMES  
SURFACE AREAS AND VOLUMES OF DIFFERENT SOLIDS .

**Jan**

STATISTICS

Collection and presentation of data (Ex 14.1 & 14.2)  
Graphical representation of data (Ex 14.3)  
Measures of Central tendency (Ex 14.4)

**February**

PROBABILITY

Probability as an experimental approach

### FA 3

UT3 – 30 Marks  
Assignment – 10 Marks

### FA 4

UT4-MCQ (Theory)- 20 Marks  
Hands on Activities – 30 Marks

CW – 10 Marks  
Total – 50x2 = 100 Marks

Total – 50x 2 = 100 Marks

**SA2 – 90 Marks**

### General Science(2011-12)

#### TERM 1

Month	Subject	Topic	Assessment
April	Phy	Ch-8 – Motion	
	Chem	Ch-1 – Matter in our Surroundings	
	Bio	Ch-5 – The Fundamental Unit of life	
May	Phy	Ch-8 – Motion	Unit Test 1 Project Work
	Chem	Ch-1 – Matter in our Surroundings	
	Bio	Ch-6 – Tissues	
July	Phy	Ch-9 – Force and Laws of Motion	Assessment of Project Work Unit Test 2
	Chem	Ch-2 – Is Matter around us Pure ?	
	Bio	Ch-15- Improvement in Food Resources	
Aug	Phy	Ch-10 – Gravitation (Gravity & Weight)	Hands on Practical test .
	Chem	Ch-2 – Is Matter around us Pure ?	
	Bio	Ch-15- Improvement in Food Resources	
Sep	Revision		Assessment of CW/HW

#### **FA1**

CW/HW = 10 Marks  
UT1 = 20 Marks  
Hands on Experiment = 20 Marks  
Total = 10 + 20 + 20 = 50 Marks  
50 x 2 = 100 Marks

#### **FA2**

Project = 20 Marks  
UT2 = 30 Marks ( Short , Long , MCQ)  
Total = 20 + 30 = 50 Marks  
50 x 2 = 100 Marks

**SA1 80 Marks**

#### TERM 2

Month	Subject	Topic	Assessment
Oct	Phy	Ch-10 – Gravitation (Floatation)	Symposium. Performing an Activity(Phy)
	Chem	Ch-3 – Atoms and Molecules	
	Bio	Ch-7 – Diversity in Living Organisms	
Nov	Phy	Ch-11 – Work and Energy	Unit Test 3 Performing an Activity(Phy)
	Chem	Ch-3 – Atoms and Molecules	
	Bio	Ch-7 – Diversity in Living Organisms	
Dec	Phy	Ch-12 – Sound	Unit Test 4 Symposium – Presentation
	Chem	Ch-4 – Structure of the Atom.	
	Bio	Ch-13-Why do we fall ill ?	

Jan	Phy Chem Bio	Ch-12 – Sound Ch-4– Structure of the Atom. Ch-14- Natural Resources	Hands on Practical test .
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Feb	Revision		Assessment of CW/HW
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**FA3**

CW/HW = 10 Marks  
 UT3 = 20 Marks  
 Hands on Experiment = 20 Marks  
 Total = 10 + 20 + 20 = 50 Marks  
 50 x 2 = 100 Marks

**FA4**

Symposium = 20 Marks  
 UT4 = 30 Marks ( Short , Long , MCQ)  
 Total = 20 + 30 = 50 Marks  
 50 x 2 = 100 Marks

**SA2** 80 Marks

**Social Science (2011-12)**

<b>April</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	The French Revolution India-size and location Democracy in the Contemporary world The story of the village Palampur
<b>May</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	The French Revolution Physical features of India Democracy in the..... The story of the .....
<b>July</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	Nazism and the Rise of Hitler Physical features of India What is Democracy People as a resource
<b>Aug</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	Nazism..... Drainage Constitutional design People as .....
<b>Sept</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	Forest society and colonization Climate Electoral politics Poverty as a challenge
<b>Oct</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	Forest Society ..... Climate ..... Electoral..... Poverty.....
<b>Nov</b>	<b>History</b> <b>Geography</b> <b>Pol.Science</b> <b>Economics</b>	Peasants and farmers Natural Vegetation & Wild life Working of the institutions Food security in India
<b>Dec</b>	<b>History</b>	History and Sport

**Geography** Natural Vegetation .....

**Pol.Science** Democratic rights

**Economics** Food Security in India

**Jan**

**History** History and Sport.....

**Geography** Population.

**Pol.Science** Democratic rights

**Economics** Revision

**FA I & III**

UT - 25

MCQ – 25

Total – 50 x 2 = 100

Hist / Pol : 9 Marks

Geo : 8 Marks

Eco : 8 Marks

**FA II & IV**

CW – 5

HW - 5

Project – 15

Map (G) – 10

O.T (H) – 10

O.T (E) - 5

**Summative Assessment I & II - 90 Marks each**

(Hist - 23, Geo-23, Pol Sc.-22 , Eco – 22 each)