



# GENIUS INTERNATIONAL PUBLIC SCHOOL, RUPNAGAR

## SPLITTED SYLLABUS (TERM-I)

### Class - IX

#### I: SUBJECT – SCIENCE

##### Term –I

#### **Chemistry**

April/May:

Matter-Nature and Behaviour Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

July:

Nature of matter: Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).

#### **Physics**

April:

Motion, Force and Work Motion: Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.

May:

Force and Newton's laws : Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.

July:

Gravitation: Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.

Floatation: Thrust and Pressure. Archimedes' Principle; Buoyancy

#### **Biology**

April:

Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.

May/July:

Tissues, Organs, Organ System, Organism: Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).

## II: SUBJECT – ENGLISH

April- Beehive book

Ch-1 The fun they had

Ch-2 The sound of music

Moments book

Ch-1 The lost child

Poem – The road not taken

Reading -Cased based passage

Grammar – Tenses

Writing -Diary entry

May – Beehive book

Ch-3 The little girl

Moments book

Ch-2 The adventures of Toto

Ch-3 Iswaran the story teller

Poem-Wind, Rain on the roof

Writing- Descriptive paragraph writing

July - Beehive book

Ch-4 A truly beautiful mind

Ch-5 The snake and the mirror

Moments book

Ch- 4 In the kingdom of fools

Poem- The lake Isle of Innisfree

Grammar- Determiners

August -Beehive book

Ch-6 My childhood

Moments book

Ch-5 The happy prince

Ch- 6 The last leaf

Poem-A legend of the Northland

Grammar-Modals

September-Revision and Term-I examinations

## III: SUBJECT- SOCIAL SCIENCE

Geography

April:

Ch1: India: Size and Location (MAP)

May

Ch 1What is Democracy? Why should we have Democracy?

History

Chapter 1: The French Revolution

Geography

Ch2 : Physical features of India (MAP)

June

Project work

Ch 5 : All types of of Natural Vegetation

Ch 5: Pastoralism in modern world

\* Rise of Commercial forestry

\* Rebellions in the forest

Forest transformation of Java

July

History

Ch2 : Socialism in Europe

P.Sci

Ch3: Constitutional Design

Ch 2: People as a resource

August

Geo

Ch3: Drainage(MAP)

P.Sci

Ch4: Electoral Politics

September

Revision of Term 1 syllabus for Exam

#### IV: SUBJECT- PUNJABI

ਮਹੀਨਾ	ਪਾਠ ਪੁਸਤਕ	ਵਿਆਕਰਨ
ਅਪ੍ਰੈਲ.	ਕਾਵਿ-ਰਚਨਾਵਾਂ 1. ਸਮਾਂ (ਭਾਈ ਵੀਰ ਸਿੰਘ) 2. ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ (ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਕ) 3. ਮੈਂ ਪੰਜਾਬੀ ( ਫਿਰੋਜ਼ਦੀਨ ਸ਼ਰਫ)	ਕਿਰਿਆ ਤੇ ਕਿਸਮਾਂ, ਸ਼ਬਦ ਸੁੱਧੀ, ਲਿੰਗ , ਪੱਤਰ ਰਚਨਾ ( ਨਿਜੀ ਪੱਤਰ)
ਮਈ.	ਵਾਰਤਕ 1. ਵਹਿਮੀ ਤਾਇਆ (ਸੁਬਾ ਸਿੰਘ) 2. ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ (ਬਲਰਾਜ ਸਾਹਨੀ)	ਮੁਹਾਵਰੇ (ੳ,ਅ,ੲ) ਅਣਡਿੱਠਾ ਪੈਰਾ, ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ, ਤਸਵੀਰ ਵਰਨਣ
ਜੂਨ	ਗਰਮੀ ਦੀਆਂ ਛੁੱਟੀਆਂ	
ਜੁਲਾਈ.	ਕਹਾਣੀਆਂ 1. ਜਨਮਦਿਨ (ਸਵਿੰਦਰ ਸਿੰਘ ਉਪਲ ) 2. ਸਾਂਝੀ ਕੰਧ( ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ)	ਵਿਸਮਿਕ ਅਤੇ ਕਿਸਮਾਂ ,ਲੇਖ ਰਚਨਾ
ਅਗਸਤ	ਇਕਾਂਗੀ ਮੋਨਧਾਰੀ (ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ)	ਵਿਰੋਧੀ ਸ਼ਬਦ
ਸਤੰਬਰ	ਛਿਮਾਰੀ ਪ੍ਰੀਖਿਆ	

#### V: SUBJECT- MATHEMATICS

Month	Name of the chapter
April	Ch 1 Number System , Ch 2 Polynomials, Ch 10 Heron's formula
May	Ch 3 CO -ordinate geometry
July	Ch 6 Lines and Angles, Ch 8 Quadrilaterals
August	Ch 4 Linear equation in one variables, Ch 5 Euclid Geometry
September	Revision and Term 1

## VI: HINDI

### TERM-I

व्याकरण	: शब्द और पद अनुस्वार और अनुनासिक उपसर्ग और प्रत्यय
लेखन कार्य	: अनुच्छेद अनौपचारिक पत्र चित्र वर्णन संवाद लेखन
संचयन	: गिल्लू स्मृति
स्पर्श	: गद्य भाग : दुख का अधिकार एवरेस्ट तुम कब जाओगे अतिथि धूल
पद्य भाग	: रैदास रहीम गीत अगीत

## VII: Information Technology (IT-402)

MONTH	UNIT NAME
APRIL	<b>Employability Skills</b> Unit 1 : Communication Skills-I <b>Subject Specific Skills</b> Unit 1: Introduction to IT- ITeS industry
MAY	<b>Employability Skills</b> Unit 2 : Self-Management Skills-I <b>Subject Specific Skills</b> Unit 2: Data Entry & Keyboarding Skills
JULY	Revision of the syllabus covered
AUGUST	<b>Employability Skills</b> Unit 3 : ICT Skills-I <b>Subject Specific Skills</b> Unit 3: Digital Documentation Unit 4: Electronic Spreadsheet Part-I (Basics)
SEPTEMBER	Term-I Examinations
<b>PRACTICAL</b>	Practicals on setting/configuring up of computer systems. And On Digital Documentation and Electronic Spreadsheets-(Basics)