



GENIUS INTERNATIONAL PUBLIC SCHOOL, RUPNAGAR

SPLITTED SYLLABUS (Term-Wise)

Class - X

I: SUBJECT – SCIENCE

Chemistry

April/May

Chemical reactions: Chemical equation, Balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction.

July

Acids, bases and salts: Their definitions in terms of furnishing of H^+ and OH^- ions, General properties, examples and uses, neutralization, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.

Physics

April

Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification.

May

Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens.

July

Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses.

Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the sun at sunrise and sunset).

Biology

April

Life processes: 'Living Being'. Basic concept of nutrition, respiration, transport and excretion in plants and animals.

May

Control and co-ordination in animals and plants: Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.

July

Heredity and Evolution: Heredity; Mendel's contribution- Laws for inheritance of traits: Sex determination: brief introduction: (topics excluded - evolution; evolution and classification and evolution should not be equated with progress).

II: SUBJECT – ENGLISH

April -First flight book

Ch-1 A letter to God

Ch-2 Nelson Mandela

Poem- 1 -Dust of snow

2 -Fire and ice

Footprints book

Ch-1 A triumph of surgery

Ch-2 A thief's story

Writing- Letter to editor

Reading-Factual passage

May-First flight book

Ch-3 The stories about flying

Footprints book

Ch-3 A midnight visitor

Ch-4 A question of trust

Poem 3-A tiger in the zoo

Writing – Letter for placing an order

July-First Flight book

Ch-4 From the diary of Annie Frank

Poem 4- How to tell wild animals

Grammar-Modals

August- First flight book

Ch-5 Glimpses of India

Footprints book

Ch-5 Footprints without feet

Poem-

5- The ball poem

Writing-Analytical Writing

Tenses

III: SUBJECT- SOCIAL SCIENCE

April – Geo – Resources and Development (MAP also)

Pol- Power Sharing

His – Nationalism in India (MAP)

Eco-Development

May – Pol- Federalism

His -The rise of nationalism in Europe

Eco – Sectors of Indian economy

June – Project work

July – Geo- Forest and wildlife resources

Pol- Gender religion and politics

History – Continue Pending chapter of History

August – Geo – Water resources

September – Geo - lifeline of National Economy

Roadways and railways

Pol – outcomes of democracy

His- Revision

Eco – Revision

IV: SUBJECT- PUNJABI

ਮਹੀਨਾ	ਪਾਠ-ਪੁਸਤਕ	ਵਿਆਕਰਨ
ਅਪ੍ਰੈਲ	ਕਾਵਿ ਰਚਨਾਵਾਂ:- <ul style="list-style-type: none"> ਸੋ ਕਿਉ ਮੰਦਾ ਆਖੀਐ (ਸ੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ) ਕਿਰਪਾ ਕਰਿ ਕੈ ਬਖਸਿ ਲੈਹੁ (ਸ੍ਰੀ ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ) ਤੂੰ ਮੇਰਾ ਪਿਤਾ ਤੂੰਹੈ ਮੇਰਾ ਮਾਤਾ (ਸ੍ਰੀ ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ) 	<ul style="list-style-type: none"> ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਸਮਾਸੀ ਸ਼ਬਦ ਪੱਤਰ ਰਚਨਾ
ਮਈ	ਵਾਰਤਕ:- <ul style="list-style-type: none"> ਕੁਲਫੀ (ਸੁਜਾਨ ਸਿੰਘ) ਅੰਗ-ਸੰਗ (ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ) 	<ul style="list-style-type: none"> ਮੁਹਾਵਰੇ ਕ,ਖ,ਗ,ਘ ਅਣਡਿੱਠਾ ਪੈਰੂਾ ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ ਤਸਵੀਰ ਵਰਨਣ
ਜੂਨ	ਗਰਮੀ ਦੀਆਂ ਛੁੱਟੀਆਂ	
ਜੁਲਾਈ	ਕਹਾਣੀਆਂ:- <ul style="list-style-type: none"> ਘਰ ਦਾ ਪਿਆਰ (ਪ੍ਰਿ. ਤੇਜਾ ਸਿੰਘ) ਬੋਲੀ (ਸ. ਗੁਰਬਖਸ਼ ਸਿੰਘ) 	<ul style="list-style-type: none"> ਬਹੁਅਰਥਕ ਸ਼ਬਦ (1੩55 ਤੱਕ) ਲੇਖ ਰਚਨਾ
ਅਗਸਤ	ਇਕਾਂਗੀ:- <ul style="list-style-type: none"> ਜਫਰਨਾਮਾ (ਡਾ. ਹਰਚਰਨ ਸਿੰਘ) 	<ul style="list-style-type: none"> ਅਗੇਤਰ

V: SUBJECT- MATHEMATICS

April

Ch-Probability
Ch-Real Numbers

May

Ch-Polynomials
Ch-Pair of Linear Equations in two variables

July

Ch-Quadratic Equations

August

Ch-Arithmetic Progression
Ch-Coordinate Geometry

September

Ch-Introduction to Trigonometry
Ch-Applications of Trigonometry

VI: HINDI

व्याकरण –	समास पदबंध
लेखन कार्य –	अनुच्छेद औपचारिक पत्र सूचना लेखन विज्ञापन लेखन ई-मेल
संचयन –	हरिहर काका सपनों के से दिन
स्पर्श –	गद्य भाग – बड़े भाई साहब डायरी का एक पन्ना तंतारा वामीरो कथा तीसरी कसम के शिल्पकार शैलेंद्र
पद्य भाग –	कबीर मीरा मनुष्यता पर्वत प्रदेश में पावस

VI: Information Technology (IT-402)

MONTH TERM 1	CHAPTER NAME
APRIL	Employability Skills: Unit 1: Communication Skills-II SUBJECT SPECIFIC SKILLS Unit 1: Digital Documentation (Advanced)
MAY	Employability Skills: Unit 2: Self-Management Skills-II
JULY	Employability Skills: Unit 3: ICT Skills-II & Basics of computers and computer networks
AUGUST	SUBJECT SPECIFIC SKILLS: Unit 2: Electronic Spreadsheet (Advanced)
SEPTEMBER	Term-I examinations
PRACTICAL	Practicals on understanding basic functionality of computers And on (Advanced) Digital Documentation and Spreadsheet.