



Gems Akademia
International School

SYLLABUS

SESSION – 2022 - 23

TERM 1, GRADE: VII

ENGLISH LANGUAGE

SUBJECT-VERB AGREEMENT

PREPOSITION

COMPREHENSION

SYNONYMS & ANTONYMS

INFORMAL LETTER WRITING

CONJUNCTIONS

DESCRIPTIVE COMPOSITION

NARRATIVE COMPOSITION

NOTICE WRITING

REVISION OF 1ST TERM

ENGLISH LITERATURE

The Secret of Seaview Cottage

Where the Mind is Without Fear

A Drive in the Motor Car

Nicholas Nye

The Canterville Ghost Ch 1 to 4

REVISION FOR 1ST TERM ASSESSMENT

L2 HINDI

इतने ऊँचे उठो
प्रभु तुम मेरे मन की जानो
लालच का फंदा
हमारे दीनू काका
अब्बू खां की बकरी
हम पंछी उन्मुक्त गगन के
सूरदास के पद

हिन्दी व्याकरण : पाठो के नाम :-

शब्द-भण्डार
विशेषण /क्रिया
पत्र-लेखन
क्रिया विशेषण
निबंध-लेखन
काल/मुहावरे
अशुद्ध वाक्य शुद्ध
अपठित गद्यांश

L2 BENGALI

জ্ঞানী
সবচেয়ে ভালো
পরাজিত এভারেস্ট
নিবেদিতার স্মৃতি
ধূলা মন্দির
খোকাবাবুর প্রত্যাবর্তন
রাধারানী
ব্যঞ্জনসন্ধি

साधु चलित
विपरीतशब्द
पद परिवर्तन
पत्र लिखन
बोध-परीक्षण
अनुच्छेद

L3 HINDI

हिमालय
विलोम
पुनरावृत्ति
दुष्टता का फल
संज्ञा
क्रिया
अनेक शब्दों के लिए एक शब्द
सर्वनाम
कोयल
अशुद्ध वाक्यों को शुद्ध करना
अपठित गद्यांश
पर्यायवाची

L3 BENGALI

য- ফলা
র- ফলা
রেফ
দুই বর্ণের সংযোগ -১
দুই বর্ণের সংযোগ-২

দুই বর্ণের সংযোগ -৩

দুই বর্ণের সংযোগ-৪

দুই বর্ণের সংযোগ-৫

দুই বর্ণের সংযোগ -৬

দুই বর্ণের সংযোগ-৭

পদের শ্রেণিবিভাগ

অনুচ্ছেদ

L3 FRENCH

Topics

- Comprehension
- Composition (Paragraph, Letter or Email)
- Grammar (From the Chapters given below)
- Questions & Answers (From the chapters given below)

Leçons

Chapter 0- Un coup d'oeil sur la France

Chapter 1- Voilà le frère et la soeur de Manuel

Chapter 2- À la cafeteria

Chapter 3- Mon pays : La France

Chapter 4- Les Parents de Manuel

Chapter 5- C'est Noël

Chapter 6- Allons à l'école

L3 SPANISH

Conjugation of 'IR' ending verb

Conjugation of Irregular verbs

Conjugation of Reflexive verbs

The negation of sentences

The formation of questions

The demonstrative adjectives

The possessive adjectives

Time

Lesson from 1-3

To express liking and disliking

The culture of Latin American countries

Essay writing

Projects and activities

MATHEMATICS

Number system

- Multiplication and division of Integers.
- Properties of operations on Integers commutativity, associativity, existence of identity, inverse and distributivity.
- Problem solving using operations on integers.
Solution of word problems involving integers.

Exponents

- Concept of exponents
- Laws of exponents and its application

Fractions and Decimals

- Addition, subtraction, multiplication and division of fractions and decimal numbers.
- Simplification of expressions involving fractions and decimals.
- Decimal representation of rational numbers.

- Fraction as an operator
- Reciprocal of fraction

Ratio and Proportion

- Revision of concepts of ratio and proportion.
- Unitary method (solving sums using proportion).
- Percentage- an introduction. Converting fractions and decimals into percentage and vice versa.
- Applications to profit and loss (Single transaction only)
- Applications to simple interest (time period in complete years)
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ALGEBRA

Algebraic Expression

- Terms related to algebra : constants, variable, terms, coefficient of terms, like and unlike terms etc.
- Generate algebraic expressions
- Perform operations (addition and subtraction) on algebraic expressions with integral coefficients only.

Geometry

- Understanding different pairs of angles (linear, supplementary, complementary, adjacent, vertically opposite, properties of parallel lines)

Properties of triangles.

- Angle sum property
- Exterior angle property
- Pythagoras Theorem (Verification only through activity).

Data handling

- Collection, organising and tabulating data.
- Representing small set of observations using bar graph and interpreting bar graphs.
- Finding mean of ungrouped data.

PHYSICS

Physical quantities and measurement

Motion

Energy

Light Energy

CHEMISTRY

MATTER AND ITS COMPOSITION

PHYSICAL AND CHEMICAL CHANGES

ELEMENTS, COMPOUNDS AND MIXTURES

ATOMIC STRUCTURE

REVISION FOR 1ST TERM ASSESSMENT

BIOLOGY

1. Plant Tissues

2. Animal Tissues

3. Classification of Organisms

4. Classification of Animals

5. Photosynthesis in Plants

HISTORY

RISE OF CHRISTIANITY

SPREAD OF CHRISTIANITY

BIRTH OF PROPHET MOHAMMAD & SPREAD OF ISLAM

THE TURKISH INVASION & SPREAD OF DELHI SULTANATE

EXPANSION OF DELHI SULTANATE

LIFE UNDER DELHI SULTANATE
THE CONSTITUTION & THE PREAMBLE
REVISION

GEOGRAPHY

- 1. TOPOGRAPHICAL SHEETS, COLOURS, SIGNS AND SYMBOLS.**
- 2. COMPOSITION AND STRUCTURE OF THE ATMOSPHERE.**
- 3. GREENHOUSE EFFECT AND GLOBAL WARMING.**
- 4. RENEWABLE AND NON RENEWABLE ENERGY RESOURCES.**
- 5. AFRICA - LOCATION, AREA, POLITICAL AND PHYSICAL FEATURES.**

RELATED MAPWORK TO BE DONE.

COMPUTER STUDIES

Spreadsheet – An Introduction

Components of a Computer System

Number System- An Introduction

Computer virus