



Appendix 1 Curriculum

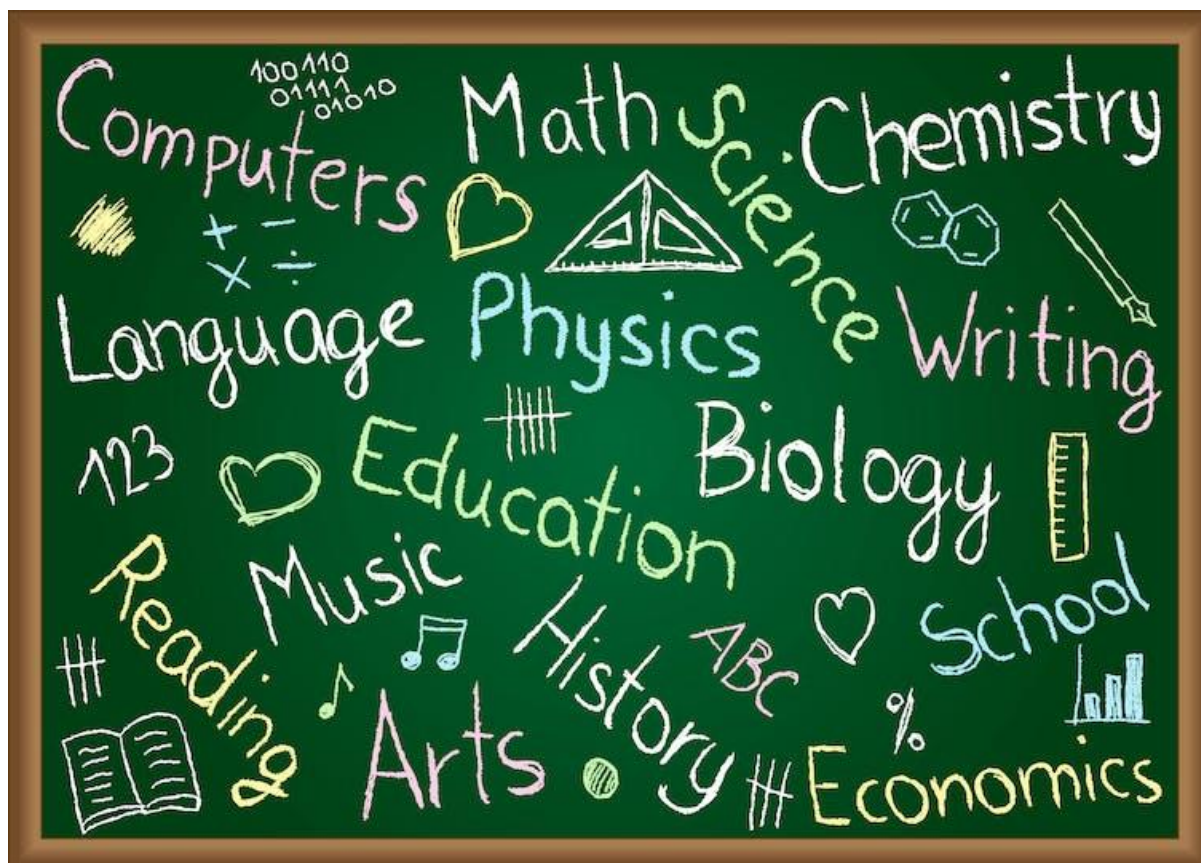
Golden Sparrow

Entire Academic Year

Golden Sparrow

K - 10





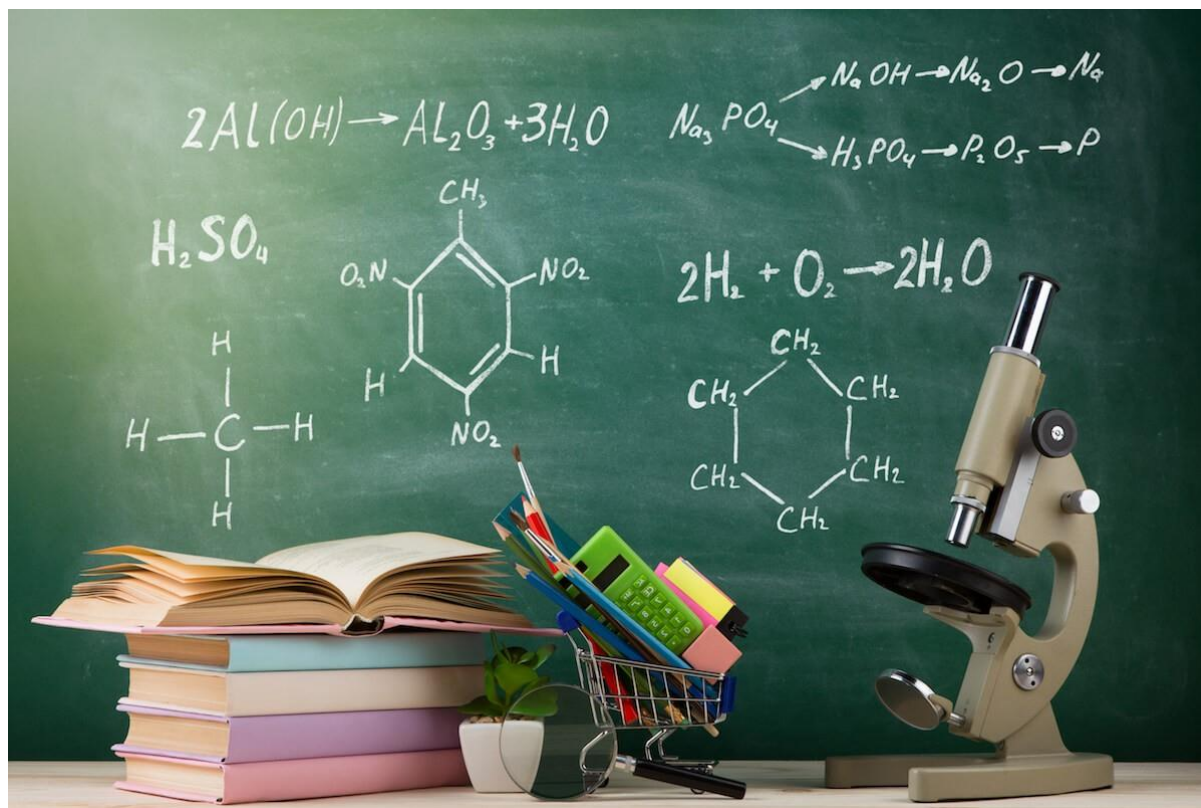
CORE SUBJECTS

- Mathematics
- Science
- English
- Computers
- Social Studies
- Arts

EXTENDED SUBJECTS

- Business Studies & Entrepreneurship
- Sustainable Goals (SDG United Nation's Global Goals)
- Life Skills
- Public Speaking

Science



Grade 1

- Our Body
- Five Senses
- What are materials made of?
- Metals and Non Metals
- Living and Non Living
- Push and Pull
- Explore how to things move
- Making Sounds
- Growing Plants

Grade 2

- Life Process
- How can we help plants grow?
- Senses on Details
- Touch, Taste, Smell, Sight and Hearing
- Forces that affect speed and direction

- Materials around us
- Is it Magnetic?
- Diet and exercise

Grade 3

- Life process (Is it living or non living)
- Materials: Magnetic or non magnetic
- Flowering parts (Parts of flowering plant)
- Healthy plants
- Introducing forces: push and pull
- Our five senses
- Keeping healthy
- Life processes
- Diet and exercise
- Damaging food
- Solar System and the planets in their Orbits

Grade 4

- Weather, water and air
- Force, energy and work
- Digestion
- Solar system
- Land breeze and sea breeze
- Water cycle
- Pulley, screw
- Parts of tooth
- Rotation and revolution of the Earth
- Habitats of animals
- Air and water
- Our universe
- Health and hygiene

Grade 5

- Habitats of animals
- Air and water
- Our universe
- Health and hygiene
- Distillation and filtration
- Internal structure of the earth
- Solar and lunar eclipse

Grade 6

- Cleaning Food
- Changes Around Us
- Plants: Forms and Functions
- Animals: Movement and Functions
- Motion and Measurement
- Electric Current and Circuits
- Magnets
- Light: Image and Shadow
- Importance of Water
- Wastes

Grade 7

- Heat Flow and Temperature
- Acidic, Basic and Neutral Substances
- Physical and Chemical Changes
- Respiration in Living Organisms
- Movement of Substances in Plants
- Circulatory System in Animals
- Excretion in Animals
- Reproduction in Plants
- Electric Current and Circuits
- Light
- Waste Management
- Introduction of Chemistry

Grade 8

- Crop Production
- Microorganism
- Synthetic Fibres and Plastics
- Metals and Non-metals
- Cell- Structure and Functions
- Animal Reproduction
- Adolescence and Reproductive Health
- Electric Current and Chemical Changes
- Rain, Thunder and Lightning
- Reflection of light
- The Human Eye
- Pollution of Air and Water

Grade 9 and 10 (NIOS)

- Module 1: Measurement in Science
- Module 2: Matter in our Surroundings
- Module 3: Moving Things
- Module 4: Energy
- Module 5: The Living World
- Module 6: Natural Resources

- Module 7: Humans and Environment



English



Grade 1

- Fiction Narrative with a familiar setting (Grandmas glasses)
- Writing speech Bubbles
- Non-fiction: Signs, labels and instructions (How to make a spinning picture trick)
- Traditional narrative: The magic paintbrush
- Writing story Captions
- Reports (A to Z of the sea, Ocean Sharks, Sea transport)
- Simple rhymes and poems
- Writing rhyming words
- Fantasy narrative stars
- Short biography
- Narrative forms (Off we go to Mexico)

Grade 2

- Fiction - Planning a story with setting and characters

- Writing Instructions
- Poems - Playtime poems (On the playground, My Football counting rhyme, My mom's study, Goodbye Granny, Supermarket)
- Writing a traditional story
- Narrative from Around The World (How Bear lost its tail, The golden slipper)
- Explanation Facts (Exploring volcanoes, How to create a 3D world)
- Planning a story with sequence of events
- Non chronological report (Red Pandas endangered, Leatherback Turtle)
- Poems with language play (Name the Dragon, Night lights)

Grade 3

- Fiction: Writing a story with the familiar setting
- Non-fiction: Writing a set of instructions
- A play script
- Story telling a traditional tale
- Writing a formal letter
- Expressing opinion (Organisation of ideas)
- Writing a poem
- Writing an adventure story
- Non Chronological Report Understanding

Grade 4

- Fiction: Narrative with an historical setting (Annie of the Green Gables)
- Non-fiction: Non chronological Report - Bugs
- Play script: A play on a common theme (the wonderful Smells)
- Fantasy narratives (The Abominable)
- Newspaper style reports (The secret language of dolphins)
- Poems from different time and cultures (Good luck gold, Tea ceremony, Lineage)
- Narrative about problems and issues
- Persuasive and explanatory text (What can we do about wasting water?, What can you see in this cloud?)
- Different forms of poetry (haiku, tanka, shape form, list form, riddle, limerick)

Grade 5

- Fiction: World's ocean
- Non chronological report (Life in the sea)
- Play script drama (The Adventures of Tintin)
- Real life Poem (Finding a friend)
- Legends and tales from across the world (China, Wales, Greece, Caribbean)
- Introduce yourself
- Interview
- Adventure and humorous poems (The tale of Custard the Dragon)
- Historical story (the young Gandhi)
- Newspaper article and persuasive advertisement
- Rhythmic poem (Alligator problem)
- Conservation poem (Blue Planets' Blue)

Grade 6

- Fiction: How it all began Stormbreaker
- Non fiction: Biography Wilma Rudolph: Olympic athlete
- Poetry: Weather poems Flood
- Traditional tales and fables: The boy who cried wolf
- Poem: Dragon performance
- Creating pictures with words
- Fiction: Greatest detective
- Non fiction: Conserving a precious Planet (The Galapagos Island)
- Poetry: Dialogue poem

Grade 7

- Non Fiction – A tiger for Malgudi, Where the mind is without fear, The yellow face,
- The beggar and the king, Nicholas Nye
- Fiction – Robinson Crusoe
GRAMMAR – Preposition, Conjunction, Direct and indirect speech, Phrasal verbs, Verbs (Modals),
- Non-finite forms, Active and passive voice, Kinds of adverbs
- WRITING SKILL – Leave application to Principal/Incharge, Letter to editor, Story writing, Report writing for school magazine, Paragraph writing, Diary writing

Grade 8

- Non Fiction – The Purple Children, The Solitary Reaper, Mrs Packletide’s Tiger, Fourteen
- Fiction – The Taming of the Shrew, King Lear, Macbeth
- GRAMMAR – Direct and Indirect Speech, Idiomatic Expressions, Tenses (Past, Present, Future and its forms), Determiners, modals, Active and Passive Voice, Phrases and Clauses, Relative Clause.
- WRITING SKILL – Story Writing, Assembly Speech, Debate, Report Writing for School Magazine, Notice Writing, Article Writing, Letter to Editor/KMC.

Grade 9

- Reading: Question based on the following kinds of unseen

passages to assess inference, evaluation, vocabulary, analysis and interpretation

- Discursive passage (400-450 words)
- Case based Factual passage (with visual input/ statistical data/chart etc. 200-250 words)
- Writing
- Descriptive paragraph (Person)
- Short Story (based on beginning line / outline / cues etc.)
- Grammar
- Tenses
- Subject-Verb Concord
- Modals
- Determiners
- Reported Speech
- Commands and Requests
- Statements
- Questions
- Literature
- Moments
- Poems
- The Road Not Taken
- Wind
- Rain on The Roof
- A Legend of The Northland

Grade 10

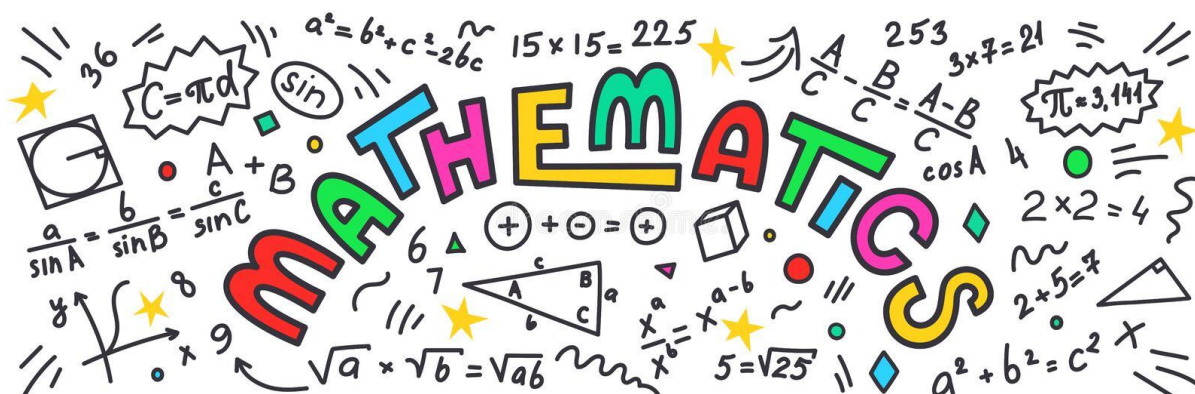
- Reading: Question based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation
- Discursive passage (400-450 words)
- Case based Factual passage (with visual input/ statistical data/chart etc. 300-350 words)

WRITING SKILL

- Formal letter based on a given situation.
 - Letter to the Editor
 - Letter of Complaint (Official)
 - Letter of Complaint (Business)
- GRAMMAR**
- Tenses
 - Modals
 - Subject-Verb Concord
 - Determiners
- Reported Speech
 - Commands and Requests
 - Statements
 - Questions
 - Literature
- Poems**
- Dust of Snow
 - Fire and Ice
 - A Tiger in the Zoo
 - The Ball Poem



Maths



Grade 1

- Shapes And Space
- Numbers From One To Nine
- Addition
- Subtraction
- Numbers From Ten To Twenty
- Time
- Measurement
- Numbers From Twenty One To Fifty
- Data Handling
- Patterns
- Numbers
- Money

Grade 2

- Tens and ones
- Number pattern and properties
- Even and Odd number
- Calculating: Addition and Subtraction
- Number family for number pairs upto 20
- Multiples of 10 to 100
- Multiplication and division

- Parts of a whole
- Half of a shape
- Quarter and three quarter of a shape
- 2D and 3D shapes
- Measurement: Measuring in centimetres
- Geometry: Turns and right angles
- Time Seconds and minutes
- Days of the week
- Months of the Year
- Handling data
- Block graphs and pictograms

Grade 3

- Numbers
- Addition
- Subtraction
- Multiplication
- Shapes and patterns
- Division
- More division
- Money
- Time
- Measurement
- Data handling

Grade 4

- Large Numbers (Rounding off till 100's place.)
- Roman Numerals 1 – 50
- Addition & Subtraction
- Multiplication
- Division
- Multiples and Factors
- Fractions.
- Geometry
- Decimals
- Measurements
- Perimeter & Area

- Decimals
- Algebraic Expressions
- Linear Equations in one variable
- Ratio, Proportion and Unitary Method
- Angles and their measurements
- Constructions
- Polygons
- Triangles
- Quadrilaterals
- Circles
- Concept of Perimeter and Area
- Data Handling
- Pictograph
- Bar Graph

Grade 5

- Large Numbers(Rounding off till 100's place.)
- Roman Numerals 1 to 100
- Addition & Subtraction and their applications
- Multiplication & Division & their applications
- Multiples & Factors
- HCF by Prime factor and long division method
- LCM by Prime factorisation method and Division method
- Fractions
- Decimals
- Measurement
- Geometry,
- Perimeter, Area & Volume
- Time, Speed & Temperature

Grade 7

- Fractions
- Decimals
- Linear Equations in One Variable
- Ratio and Proportion
- Unitary Method
- Percentage
- Simple Interest
- Properties of Parallel Lines
- Properties of Triangles
- Congruence
- Constructions
- Mensuration
- Collection and Organisation of Data (Mean, Median and Mode)
- Bar Graphs
- Probability
- Square root of 196, 225, 324, 441, 625, 729, 900, 1296, 2025, 4096 by prime factorisation method

Grade 6

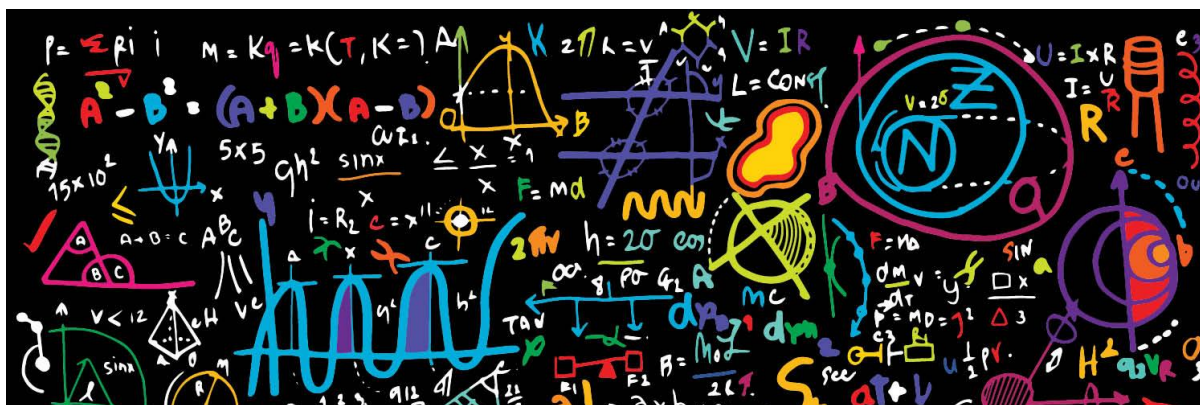
- Integers
- Fractions

Grade 8

- Exponents
- Squares and Square roots
- Cubes and Cube roots
- Operations on Algebraic expressions
- Linear Equations
- Direct & Inverse Proportion
- Time & Work
- Parallelograms
- Construction of Quadrilaterals (Ex 17B)
- Area of a Trapezium and a Polygon
- Volume & Surface Area
- Data Handling
- Introduction to Coordinate Geometry
- Line Graphs and Linear graphs
- Pie Charts
- Probability
- Compound Interest
- Algebraic expressions and polynomials
- Special product and factorization
- Linear equation
- Quadratic equation
- Arithmetic progression
- Commercial mathematics
- Percentage in application
- Geometry lines and angle
- Congruence of triangle
- Concurrent lines and quadrilateral
- Similarity of triangle
- Circles angle in cyclic quadrilateral and circle
- Secant tangent and their properties
- Constructions
- Co-ordinate geometry
- Mensuration
- Perimeter and area of plane
- Surface area and volume of solid figures

Grade 9 and Grade 10

- Algebra
- Number systems
- Exponents and radicals
- Trigonometry
- Trigonometric ratio of some special angles
- Statistics data and their representation
- Measure of Central tendency
- Introduction to Probability



SOCIAL SCIENCE



- Life on Land (SDG 14)

Grade 1

- Safety and You
- Our Planet EARTH
- In the SHCOOL
- Let's visit our country

Grade 2

- Transportation and Communication
- World as we Know It
- Let's visit Asia
- Zero Hunger (SDG 2)

Grade 3

- Introduction to the SDG
- Sustainable Development Goals
- The Early Humans
- Let's visit Europe
- Life under Water (SDG 15)

Grade 4

- Travel, communication & money
- People & their occupations
- Our rich heritage
- Let's visit North America

Grade 5

- Inventions & discoveries
- Natural disasters
- Waste management
- Let's visit South America
- Climate Change (SDG 13)

Grade 6

- Studying the Past
- Early Humans-II
- The Earth and the Solar System
- Major Domains of the Earth
- Major Landforms of the Earth
- Unity in Diversity
- Local Self Government in Urban Areas
- Urban Livelihoods
- Let's visit South East Asia
- Global Peace (SDG 16)

Grade 7

- The Regional Kingdoms-1
- Political Formations in the Eighteenth Century
- Inside Our Earth

- Weather and Climate
- Natural Vegetation and Wildlife
- Democracy
- Media and Democracy
- Advertising
- Role of Gender (SDG 5)

Grade 8

- Life in the Rural Areas
- Education and British Rule
- The National Movement: First Phase
- The National Movement: Second Phase
- Agriculture
- Manufacturing Industries
- Industries-Comparative studies (excluding IT Industries)
- Disaster and its Management: Cyclone, flood
- The Constitution and need for Laws
- Ideals of our Constitution
- The Judiciary
- The Police and the Court
- Partnership for Goals (SDG 17)

Grade 9

- Ancient world
- Mediaeval world
- Modern world
- Impact of British rule on India

- Economic social and cultural social awakening in colonial India
- Popular resistance to the British rule
- Indian National Movement
- Physiography of India
- Climate biodiversity
- Agriculture
- Transport and communication

Grade 10

- World Population
- Constitutional values and political system
- Fundamental rights and fundamental duties
- India a welfare state
- Local government and field administration
- Governance at state level
- Political parties and pressure groups
- People's participation in the democratic process
- Challenges to Indian democracy
- National integration and secularism
- Social economic development and empowerment of the disadvantage group
- Environmental degradation and disaster management
- Peace and security

COMPUTER



Grade 1

- Types of computers
- Parts of a computer
- Know your keyboard
- Drawing & colouring with paint

Grade 2

- Types of computers
- Welcome to windows
- Introducing Steve jobs and Apple
- Learn to PAINT on Computer

Grade 3

- Know your keyboard
- QWERTY keyboard
- Drawing & colouring with paint
- More on Microsoft word
- Drawing & colouring with paint
- The internet
- Introducing Larry Page and GOOGLE

Grade 4

- Know your computer
- Files & folders in Windows
- Editing in Microsoft word
- Formatting in Microsoft word

- Introducing Bill Gates and MICROSOFT

Grade 5

- Working with tables in Microsoft word
- Working with objects in Microsoft word
- Introduction to Microsoft excel 2007
- World of Social Media
- Introducing Mark Zuckerberg and FACEBOOK

Grade 6

- Computer languages
- Ms-Excel 2010
- Working with Worksheet
- Q-Basic – An Introduction to Programming
- Q-Basic- Programming Statements
- Internet Browsing
- Introducing Jeff Bezos and AMAZON

Grade 7

- Number System (Till before Octal Number System, Page-15)
- Using MS Excel As Database
- Q basic-Looping
- Browsing Internet & Email
- Computer Virus
- App Development
- Introducing Reed Hasting and NETFLIX

Grade 8

- Understanding HTML
- HTML- Working with Tables
- Browsing Internet
- Computer Ethics and Safety Measures in Computing
- Let Us Revise
- Network Concept
- Ms Access An Introduction
- Introducing Jack Dorsey / Elon Musk and TWITTER

Grade 9

- Basics of Computer
- Input and Output Devices
- System Software and Application Software
- Computer Language
- Compiler and Assembler
- Operating System
- Desktop Elements
- Locating Files and Folders
- Changing System Setting
- File Management in Windows
- Installation of Software and Hardware
- Basics of Word Processing
- Starting Word Program
- Word Screen Layout

- Typing Screen Objects
- Managing Documents
- Protecting and Finding Documents
- Formatting Documents
- Working with text
- Formatting Paragraphs
- Creating Bulleted and Numbered Lists
- Spelling and Grammar

Grade 10

- 5. Mail Merge
- Types of document in Mail merge
- Creating data Source
- Creating Mailing Labels
- Merging Data into Main Document
- 6. Basics of Spreadsheet
- Selecting, Adding and Renaming Worksheets
- Modifying a Worksheet
- Resizing Rows and Columns
- Workbook Protection
- 7. Formatting Worksheets
- Formatting Toolbar
- Formatting Cells
- Formatting Columns and Rows
- Protect and Unprotect Worksheets
- 8. Formulas, Functions and Charts
- Copying a Formula
- Types of Functions & Charts
- Auto shapes and Smart art
- 9. Creating Presentation
- Creating Slides
- Slide Sorter View
- Changing Slide Layouts
- Moving Between Slides