

PRIMUS PUBLIC SCHOOL

Academic Year 2013-2014

Syllabus for Grade 8 - IGCSE

International Mathematics

1. Indian mathematicians and Numbers
2. Surds
3. Percentages
4. Simple interest
5. Compound Interest
6. Reverse percentage
7. Approximations, estimations and Rounding
8. Standard form
9. Speed, distance time
10. Algebraic representations and manipulations
11. Further algebraic representations and manipulations
12. Linear and simultaneous equations
13. Solving quadratic equations
14. Using a graphics calculator to solve equations
15. Linear inequalities
16. Laws of indices
17. Fractional Indices
18. Sequences
19. Direct and inverse variations
20. Modelling
21. Sets, subsets and Venn diagrams
22. Student assessments pertaining to the entire topics

Chemistry

1. Introduction to Chemistry
2. Everything is made of particles
3. Separation techniques
4. Atoms, elements and compounds
5. The periodic table
6. Non metals- hydrogen
7. Air and water

8. Non metals- ammonia
9. Non metals- sulphur
10. Non metals- Carbon
11. Non metals
12. Non metals
13. Atoms combining

Biology

1. Characteristics of living things
2. Cells
3. Movement in and out of cells
4. Enzymes
5. Nutrition
6. Plant nutrition
7. Animal nutrition
8. Plant transport
9. Transport in humans
10. Respiration

Accounts

1. Basics of accounting
2. Accounting equation
3. List of assets liabilities expenses income
4. Journal
5. Ledger
6. Subsidiary books
7. Cash book
8. Petty cash book
9. Trial balance

History – Core

1. The origins of the first world war
2. The Russian revolution
3. Paris 1919
4. The treaty of Versailles
5. Aftermath: the immediate consequences of the treaties
6. A harsh treaty?

7. Setting up the league of nations
8. Reparations: the dawes and the young plan
9. The spirit of Locarno
10. The rise of Hitler
11. The depression and international politics
12. Crisis in Manchuria
13. Mussolini and Italian fascism
14. The conquest of Abyssinia

History – Depth

SECTION 1: THE GERMAN

1. Republic 1918- 1929
2. Was the Weimar Republic doomed from the start?
3. Introduction- Congress Of Vienna

SECTION 2: HITLER’S RISE TO POWER

1. How was Hitler able to dominate Germany by 1934?

English

1. Directed Writing:

- Letter;
- Dialogue/Journal;
- Diary

2. How Writers Create Effects

3. Composition

- Descriptive Writing;
- Narrative Writing.

ICT

1. Types and components of computer systems
2. Input and output devices
3. Communication [Practical]
4. Document production [Practical]
5. Data analysis [Practical]
6. Storage devices and media
7. Computer networks
8. Website authoring
9. Data types

French

1. Des Jeunes francophones
2. Bienvenue a Paris
3. Ca me passionne
4. Au travail
5. Une visite a Planete Futuroscope
6. En forme
7. Vive les vacances

Economics

- Ch.1.The economic problem
- Ch. 2.Specialization and Exchange
- Ch. 3 Economic Systems
- Ch. 4 Types of Business organization
- Ch. 5 Trade Unions
- Ch. 6. Financial Institutions

BST

1. The Purpose of Business Activity
2. Types of Business Activity
3. Forms of Business Organization
4. Government and economic influences on business
5. Other external influences on business
6. Business Costs and Revenue
7. Business Accounting
8. Cash flow planning
9. Financing business activity
10. Organizational structure
11. Managing a Business
12. Communication in Business

Physics

1. Reflection Of Light
2. Refraction Of Light
3. Thin Converging Lens
4. Dispersion

5. General Wave Properties
6. Sound
7. Electromagnetic Spectrum
8. Length And Time
9. Speed, Velocity And Acceleration
10. Mass And Weight
11. Density
12. Effects Of Force
13. Scalars And Vectors
14. Energy
15. Energy Resources
16. Work
17. Power
18. Pressure