SYLLABUS DISTRIBUTION
2016 – 2017

Grade 11 Maths

Term 1

- Surds and indices
- Linear functions and graphs
- Quadratic equations
- Inequalities, Domain and Range, Composite functions

Term 2

- Sequences
- Trigonometry and Radian measure
- Differentiation
- Integration

Term 3

- Vectors
SYLLABUS DISTRIBUTION
2016 – 2017

Grade 11 & 12 Statistics

Term 1

- Representing Data
- Averages
- Variability
- Probability

Term 2

- Permutations and Combinations
- Probability Distributions
- The Binomial Distribution
- The Normal Distribution

Term 3

- Exam practice
GRADE 11 AS Biology
SYLLABUS DISTRIBUTION
Biology
2016-2017
TERM 1

1 Cell structure
2 Biological molecules
3 Enzymes
4 Cell membranes and transport
5 The mitotic cell cycle
6 Nucleic acids and protein synthesis
7 Transport in plants

TERM 2

8 Transport in mammals
9 Gas exchange and smoking
10 Infectious disease
11 Immunity

TERM 3

Revision
GRADE 11 AS CHEMISTRY
SYLLABUS DISTRIBUTION
CHEMISTRY
2016-2017
TERM 1

1. Moles and equations
2. Atomic structure
3. Chemical bonding
4. States of matter
5. Chemical Energetics (Enthalpy and Hess)
6. Electrochemistry (Redox reactions and electrolysis)
7. Equilibrium
8. Reaction Kinetics (Rates of reaction, Boltzman distribution)
9. Chemical Periodicity (Period III)
10. Groups II and VII, Transition metals as catalysts
11. Nitrogen and sulfur

TERM 2

1. Introduction to organic chemistry (Structural, Displayed, Skeletal formula, Naming and Functional groups)
2. Characteristic organic reactions
3. $\sigma$ and $\pi$ bond shapes
4. Isomerism (Structural, cis-trans and optical)
5. Hydrocarbons
6. Halogenoalkanes and Halogenoarenes
7. Hydroxyl Compounds (Alcohols and Esters)
8. Carbonyl compounds (Aldehydes and Ketones)
9. Carboxylic Compounds and derivatives (Carboxylic acids, Acyl Chlorides and Esters)
10. Polymerisation (inc disposal of polymers)

TERM 3

Revision
SYLLABUS DISTRIBUTION
2016 – 2017

Grade 11 ICT IGCSE

Term 1

- 1-Data, information, knowledge and processing
- 2-Hardware and software
- 3-Monitoring and control
- 4-E-safety and health and safety
- 5-The digital divide
- 8-Spreadsheets
- 9-Database and file concepts

Term 2

- 6-Using networks
- 7-Expert System
- 10-Sound and video editing

Term 3

- Drop-in classes
SYLLABUS DISTRIBUTION
2016 – 2017

Grade 11 AND 12 ENGLISH (IELTS)

Term 1

1. Reading, orientating yourself to the text.
2. Reading, scanning for a specific detail and skimming.
3. Reading, identifying main & supporting ideas.
4. Reading, improving global reading skills.
5. Reading, summarizing.
6. Speaking, responding to personal questions.
7. Speaking, becoming more fluent.
8. Speaking, preparing and giving a talk.
10. Speaking, giving a reasoned response.
11. Writing task 1, interpreting charts, tables, graphs and diagrams and describing trends.
12. Writing task 1, Summarizing information.
13. Writing task 1, comparing & grouping information.
14. Listening, orientating yourself to the text.
15. Listening, listening for specific information.
16. Listening, Identifying detail.
17. Listening, following a description: diagrams, maps & plans.
18. Listening, Identifying main ideas.

Term 2

1. Reading, Understanding arguments.
2. Reading, Identifying the writer's views and claims.
3. Reading practice for the exam.
4. Speaking practice for the exam.
5. Listening practice for the exam.
6. Writing task 2, writing a persuasive essay.
7. Writing task 1 & 2 practice for the exam.
1. Physical quantities and units
2. Measurement techniques
3. Kinematics
4. Dynamics
5. Forces, density and pressure
6. Work, energy and power
7. Deformation of solids
8. Waves

TERM 2

1. Superposition
2. Electric fields
3. Current of electricity
4. D.C. circuits
5. Particle and nuclear physics

TERM 3

Revision