



TERM 1
SYLLABUS DISTRIBUTION
2017 - 2018
GRADE 12
Mathematics

Pure Mathematics

Topics:

- Polynomials
- The Modulus Functions, Rational Functions
- Exponential and Logarithmic Functions, Differentiation Exponential and Logarithmic Functions
- Trigonometry, Differentiation of trigonometry functions
- Differentiating Products, Curves defined implicitly and parametric equations
- Integration and Differential equations

Mechanics

Topics:

- Horizontal Velocity and Acceleration
- Force and Motion
- Vertical motion (due to gravity)
- Resolving Forces (Vectors)
- Friction



TERM 2
SYLLABUS DISTRIBUTION
2017 - 2018
GRADE 12
Mathematics

Pure Mathematics

Topics:

- Solving equations numerically and the trapezium rule
- Complex numbers
- Vectors

Mechanics

Topics:

- Work, Energy and Power
- General Motion in a Straight Line



GRADE 12(A2) Biology
SYLLABUS DISTRIBUTION
2017-2018

	TERM 1
Unit 12	Energy and respiration
Unit 13	Photosynthesis
Unit 14	Homeostasis
Unit 15	Control and co-ordination
Unit 16	Inherited change
Unit 17	Selection and evolution
	TERM 2
Unit 18	Biodiversity, classification and conservation
Unit 19	Genetic technology
	TERM 3
	REVISION



GRADE 12 AS CHEMISTRY
SYLLABUS DISTRIBUTION

CHEMISTRY

2017-2018

TERM 1

1. Atomic structure – 2.3g
2. Chemical Energetics – 5.1 – iii/ 5.1d/ 5.2 iii/iv
3. Entropy change/ gibbs free energy
4. Electrochemistry - 6.2/6.3/6.4
5. Equilibrium- 7.2- c-k/ 7.3
6. Reaction Kinetics – 8.1 c-h/ 8.2- c/8.3- e
7. Groups II-10.1- f/g
8. Transition elements

TERM 2

1. Introduction to organic chemistry – 14.1 (arenes, halogenoarenes, phenols, acyl chlorides, amides and amino acids) 14.1C
2. Hydrocarbons – 15.4
3. Hydroxyl Compounds – 17.1 vii/ 17.2 Phenols
4. Carboxylic Compounds and derivatives – 19.1 iv/ c,d,e/ 19.2 a-c
5. Nitrogen compounds
6. Polymerisation
7. Analytical techniques – excluding infrared spectroscopy.
8. Organic synthesis

TERM 3

Revision



G12 IGCSE Physics 2017-18

Syllabus Distribution

TERM 1

1. Motion in a circle
2. Gravitational fields
3. Ideal gases
4. Temperature
5. Thermal properties of materials
6. Oscillations
7. Communication
8. Electric forces and field
9. Capacitance
10. Electronics
11. Magnetic fields
12. Electromagnetic induction

TERM 2

1. Alternating currents
 2. Quantum and nuclear physics
 3. Medical Imaging
- Revision

TERM 3

Revision

SYLLABUS DISTRIBUTION 2017 – 2018



Grade 12 IT (9626)

Term 1

- **Section 11 – Emerging technology**
- **Section 12 – The role and impact of IT in society**
- **Section 13 – Networks**
- **Section 16 – Graphic creation**
- **Section 17 – Animation**
- **Section 19 – programming for the Web**

Term 2

- **Section 14 – Project management**
- **Section 15 – System life cycle**
- **Section 18 – Mail merge**
- **Revision and past papers**

Term 3

- **Drop-in classes**