Form 4 Physics
(2025 - 2026)

Week	Topic / Content Area
1	1.1 Time and length 1.2 Distance and displacement 1.3 Speed, velocity and acceleration 1.4 Error estimation
2	2.1 Describing motion along a straight line 2.2 Motion graphs
3	2.3 Equations of uniformly accelerated motion 2.4 Vertical motion under gravity
4	3.1 Force 3.2 Newton's first law of motion 3.3 Newton's second law of motion
5	3.4 Weight and Newton's second law of motion
6	3.5 Fluid resistance 3.6 Friction 3.7 Newton's third law of motion
7-8	First Term Uniform Test Evaluation
8	4.1 System of objects 4.2 Addition and resolution of forces 4.3 Forces in a plane and Newton's laws of motion
9	5.1 The turning effect of a force 5.2 Equilibrium of a rigid body
10	6.1 Work 6.2 Mechanical energy
11	6.3 Energy conversion and conservation of energy 6.4 Power
12-13	7.1 Conservation of momentum
14-15	**First term Exam**
16	7.1 Conservation of momentum
17	7.2 Change in momentum
18	8.1 Understanding projectile motion 8.2 Analysing projectile motion
19	9.1 Describing circular motion 9.2 Centripetal force and centripetal acceleration 9.3 Examples of uniform circular motion
20	10.1 Universal gravitation 10.2 Circular motion under gravity
20-21	**Secondt Term Uniform Test**
22	1.1 Measuring temperature 1.2 The Celsius temperature scale
23	2.1 Internal energy and energy transfer
24	2.2 Heat transfer processes
25	3.1 Power and measurement of energy transferred 3.2 Heat capacity and specific heat capacity
26	4.1 Latent heat

Week	Topic / Content Area
27	4.2 Evaporation and condensation
28	5.1 The gas laws
29-30	5.2 The kinetic theory of gases
	Final Exam

Assignment:

1. Chapter test
2. Experiment or demonstration
3. Diary Exercise per day

Continuous Assessment:

20% Uniform test