

**Unit 1: Motion and It's Applications**

ACTIVITY	SUGGESTED TIME FRAME	PRACTISE QUESTIONS	DISCUSSION	LAB	PROJECT	QUIZ	TEST
A1: AVERAGE VELOCITY	2	2014-02-10				2014-02-11	
A2: AVERAGE ACCELERATION	2	2014-02-13					
A3: VELOCITY AND ACCELERATION INVESTIGATION	2		2014-02-14	2014-02-17			
A4: FORCES AND FBD	2	2014-02-19				2014-02-21	
A5: FORCE AND ACCELERATION INVESTIGATION	2		2014-02-23	2014-02-26			
A6: NEWTON'S LAWS	2	2014-02-28					
A7: GRAVITY PROJECT	2		2014-02-28	2014-03-03		2014-03-03	
A8: MOTION TECHNOLOGY	ONGOING				2014-05-29		
A9: TEST	1						2014-03-05

**UNIT 2: MECHANICAL SYSTEMS**

ACTIVITY	SUGGESTED TIME FRAME	PRACTISE QUESTIONS	DISCUSSION	LAB	PROJECT	QUIZ	TEST
A1: PROBLEM SOLVING WITH PHYSICS	2	2014-03-07					
A2: FRICTION INVESTIGATION	2		2014-03-15	2014-03-17			
A3: WORK AND SIMPLE MACHINES	1 – 2	2014-03-19					
A4: MECHANICAL ADVANTAGE	2	2014-03-21					
A5: LEVERS INVESTIGATION	2		2014-03-23	2014-03-24			
A6: MACHINES DESIGN PROJECT	2		2014-03-25		2014-03-28	2014-03-27	
A7: Mechanical Systems Technology	Ongoing				2014-05-30		
A8: Test	1						2014-03-31

### Unit 3: Electricity and Magnetism

Activity	Suggested Time Frame	Practise Questions	Discussion	Lab	Project	Quiz	Test
A1: Circuits, Ohm's Law and Equivalent Resistance	2	2014-04-02				2014-04-04	
A2: Circuit Investigation	3		2014-04-07	2014-04-08			
A3: Electrical Safety Devices	1				2014-04-09		
A4: Magnetic Fields Investigation	2					2014-04-11	
A5: Oersted's Principle	2	2014-04-14					
A6: Motor Principle	2	2014-04-16					
A7: AC/DC Currents	1	2014-04-18					
A8: Electric Device Design Project	3		2014-05-26		2014-05-27	2014-04-28	
A9: Electricity and Magnetism Technology	2				2014-05-28		
A10: Test	1						2014-04-29

### Unit 4: Energy Transformations

Activity	Suggested Time Frame	Practise Questions	Discussion	Lab	Project	Quiz	Test
A1: Conservation of Energy	2	2014-04-30					
A2: Energy Transformation Investigation	2		2014-05-01	2014-05-02			
A3: Efficiency Investigation	2		2014-05-04	2014-05-05			
A4: Energy Generation	2		2014-05-07				
A5: Energy Transformation Design Project	3		2014-05-07		2014-05-08	2014-05-08	
A6: Energy Transformation Technology	Ongoing				2014-05-31		
A7: Test	1						2014-05-12

<b>Unit 5: Hydraulic and Pneumatic Systems</b>							
Activity	Suggested Time Frame	Practise Questions	Discussion	Lab	Project	Quiz	Test
A1: Static Pressure Head	2	2014-05-14				2014-05-15	
A2: Pascal's Principle	2			2014-05-18			
A3: Components of Hydraulic and Pneumatic Systems	1	2014-05-20					
A4: Flow Rate Investigation	2		2014-05-21	2014-05-22			
A5: Hydraulic and Pneumatic Systems Design Project	3		2014-05-24		2014-05-26		
A6: Laminar Flow	2		2014-05-27		NONE		
A7: Bernoulli's Principle	1					2014-06-03	
A8: Hydraulic and Pneumatic Systems Technologies	ongoing				2014-06-06		
A9: Test	1						2014-06-05

<b>Unit 6: Final Assessment</b>							
Activity	Suggested Time Frame	Practise Questions	Discussion	Lab	Project	Quiz	Test
A1: Exam Review	Ongoing				2014-06-11		
A2: Exam	1						2014-06-19?