

**Tin Ka Ping Secondary School**  
**Physics Department**  
**Curriculum**

**S3 Curriculum**

		Medium of instruction
<b>Form Three 1<sup>st</sup> Term</b>	<b>Heat (Textbook+ Tailor made Notes)</b>	English
	1.1 Temperature, Heat and Internal Energy	
	1.2 Transfer Processes	
	1.3 Change of States	
<b>Form Three 2<sup>nd</sup> Term</b>	<b>Optics (Textbook+ Tailor made Notes)</b>	
	3.1 Reflection	
	3.2 Refraction and Total Internal Reflection	
	3.3 Lenses	
	<b>Mechanics (Tailor made Notes)</b>	
	Moment of Force	

**Examination Language**

Term	2012 onward
First Term Examination	English
Second Term Examination	

**S4 – S6 NSS Curriculum**

<b>F.4 Heat (5) + Force and Motion (40) + Wave Motion (44) + Practical Test (3)</b> = 92 hours proposed		
<b>Form Four 1<sup>st</sup> Term</b>	<b>Section 1 Core</b>	<b>Heat (16 periods proposed)</b>
		1.1 Temperature, Heat and Internal Energy
		1.2 Transfer Processes
		1.3 Change of States
	<b>Section 2 Core</b>	<b>Mechanics (64 periods proposed)</b>
		2.1 Position and Movement
		2.2 Force and Motion
<b>Form Four 2<sup>nd</sup> Term</b>		2.3 Projectile motion
		2.4 Energy and Power
		2.5 Momentum
	<b>Practical Test 1</b>	<b>1 hour</b>
	<b>Section 3</b>	<b>Waves (42 periods proposed)</b>
		3.1 Nature and Properties of waves
		3.2 Light (Summer holiday)
	<b>Practical Test 2</b>	<b>1 hour</b>
<b>F.5 Wave Motion (4) + Heat (5) + Force and Motion (15) + E &amp; M (56) + Radioactivity (16) + SBA (8)</b> = 104 hours proposed		
<b>Form Five 1<sup>st</sup> Term</b>		3.3 Sound
	<b>Section 1</b>	<b>Heat</b>

	<b>Extension</b>	1.4 Gas Law
	<b>Section 2 Extension</b>	<b>Mechanics</b> 2.6 Projectile 2.7 Gravitation 2.8 Circular motion
	<b>SBA 1</b>	<b>4 hours</b>
	<b>Section 4</b>	<b>Electricity and magnetism</b>
		4.1 Electrostatics
		4.2 Current and domestic electricity
		4.3 Electromagnetism (Core)
<b>Form Five 2<sup>nd</sup> Term</b>		4.3 Electromagnetism (Extension) Electrostatics, Hall effect, B- field, Induced emf, Alternating current
	<b>SBA 2</b>	<b>4 hours</b>
	<b>Section 5</b>	<b>Radioactivity and Nuclear energy</b>
		5.1 Radiation & radioactivity
		5.2 Atomic model
		5.3 Nuclear energy
<b>F.6 Elective (Atomic World (27) + Medical Physics (27) + SBA (4))</b> <b>= 58 hours proposed</b>		
<b>Form Six 1<sup>st</sup> Term</b>	<b>Section 7 (Elective)</b>	<b>Atomic World / Medical Physics</b>
		<b>Energy &amp; Use of energy</b>
	<b>SBA 3</b>	<b>4 hours</b>
<b>Form Six 2<sup>nd</sup> Term</b>	<b>Revision</b>	

**Medium of instruction: English**