

YISHUN SECONDARY SCHOOL

Subject & Code: Sci (Physics) 5105

Level & Stream: Sec 3 (Normal Academic)

The Curriculum and Approaches to Learning		Key Programmes / Competitions
<p>To cultivate the joy of learning Science by developing students' knowledge, skills and attitudes in scientific-thinking through a well-designed curriculum that focuses on scientific inquiry and authentic learning. To prepare students for a life-long passion in learning Science and enable them to innovate and contribute to a technologically-driven society.</p> <p>Skills and Processes to be learnt:</p> <ul style="list-style-type: none"> - Scientific Thinking - Problem Identification - Information Handling - Communicating Results 		<p>1. Sec 3 Math & Science Learning Journey</p> <p>2. Math & Science Week</p> <p>3. YSS Beyond Classroom Experience</p> <p>4. ignITE Skills Challenge</p>
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1/1 1/3 1/6 1/10	Chapter 1: Measurements Chapter 4: Mass, Weight, Density Chapter 2: Kinematics Chapter 3: Dynamics	WA1 Ch 1&4
2/1 2/3	Chapter 3: Dynamics Chapter 6: Pressure	MYE Ch 1-4
3/1 3/4 3/10	Chapter 5: Turning Effect of Moments Chapter 7: Work, Energy, Power Chapter 11: General Wave Properties	WA2 Ch 5 – 7
4/1 4/8	Chapter 11: General Wave Properties Chapter 12: Electromagnetic Spectrum	EOY Ch 1 – 7, 11