

YISHUN SECONDARY SCHOOL

Subject & Code: Science (Physics) 5076

Level & Stream: Sec 4 (Express)

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 - Planning and conducting investigations through experiments - Information Handling - Communicating Results 		<ol style="list-style-type: none"> 1. Math & Science Week 2. YSS Beyond Classroom Experience 3. CB Paul Science Quiz 4. Singapore Junior Olympiads
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1/1 1/2 1/7 1/8 1/10	Chapter 12: Electromagnetic Spectrum Chapter 10: Light Chapter 14: Static Electricity Chapter 15: Current Electricity Chapter 16: D.C. Circuit	WA1 Ch 10-13
2/1 2/2 2/5	Chapter 16: D.C. Circuit Chapter 17: Practical Electricity Revision for Prelim 1	WA2 Ch 14 - Ch 16 MYE Ch 1-6, 10-17
3/1 3/4 3/5 3/7	Chapter 18: Magnetism and Electromagnetism Chapter 7: Kinetic Model of Matter Chapter 8: Transfer of Thermal Energy Chapter 9: Thermal Properties of Matter	Prelim Exam All topics
3/10	Prelim Practical Exam	
4/1	Prelim Exam	All topics (Ch 1-18)