

# THE NEW LOWER SECONDARY SCIENCE SYLLABUS

## What you should know about the new syllabus



The new lower secondary science syllabus aims to equip students with skills, knowledge and attitudes to be scientifically literate and make connections across different disciplines. A strong foundation in science would allow for future STEM-related careers, where people use creative solutions to solve real-life problems. With the focus on contexts such as **Sustainability, Emerging Technologies, Climate Change, Science behind Healthcare**, the syllabus attempts to engage students through authentic examples around them. These contexts are weaved in under the four themes (Diversity, Models, Interactions, Systems) to enrich the learning experiences of students.

### SECONDARY 1 (IMPLEMENTED IN 2021)

BOOK	TOPIC	SCHOOL TERM
1A Diversity	1. The Scientific Endeavour	1
	2. Exploring Diversity of Matter by its Physical Properties	
	3. Exploring Diversity of Matter by its Chemical Composition	2
	4. Exploring Diversity of Matter using Separation Techniques	
1B Models	5. Ray Model of Light	3
	6. Model of Cells – The Basic Unit of Life	
	7. Model of Matter – The Particulate Nature of Matter	4
	8. Model of Matter – Atoms and Molecules	

### SECONDARY 2 (IMPLEMENTED IN 2022)

BOOK	TOPIC	SCHOOL TERM
2A Interactions	9. Application of Forces and Transfer of Energy	1
	10. Transfer of Heat Energy and its Effects	
	11. Chemical Changes	2
12. Interactions within Ecosystem		
2B Systems	13. Electrical Systems	3
	14. Human Digestive System	
	15. Transport Systems in Living Things	4
	16. Human Sexual Reproductive System	

*Note: The scheme of work may vary in different schools.*

Students should embrace the new syllabus as a golden opportunity to learn about the world around them. Every learning experience will serve to excite students to find out more about current scientific developments. The knowledge gained will help students to make sense of the evolving world around them, and build strong foundation for the learning of science at upper secondary levels.

Parents can help their child to reinforce key concepts using questions that would prepare for a strong foundation in science and for upper secondary science. One way would be to check for understanding by asking the child to explain concepts in a simple and concise manner. Parents could use examination-style questions to assess for learning.