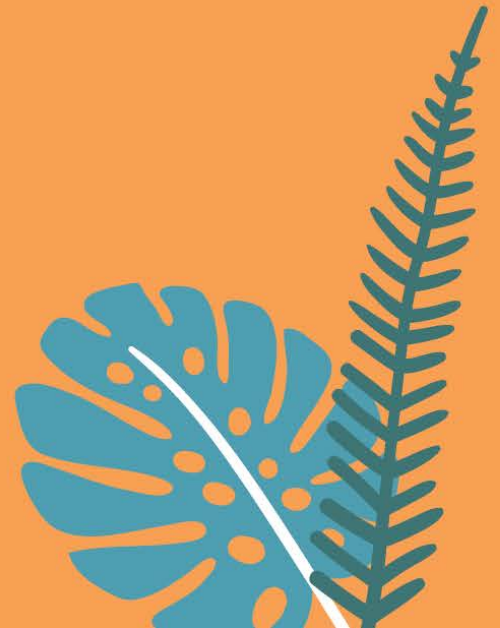




# Secondary 3 English (Mainstream)

Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 3 O Snapshots of Term 4

*This is what your child would have learnt by the end of this term!*

**Style helps your child's essays stand out.** We consolidated the skills learnt this year to help your child **develop a personal voice** in their writing.

At the O Levels, students need to **critically evaluate information from different sources.** We taught your child how to **analyse** key messages presented in different text types, and to **express and justify their views.**

Excellent presenters **hold their audience's attention** on any given topic. We taught your child to deliver well-researched and confident presentations that are **suited to the purpose, audience, and context.**



# Secondary 4 O

## Highlights of Term 1

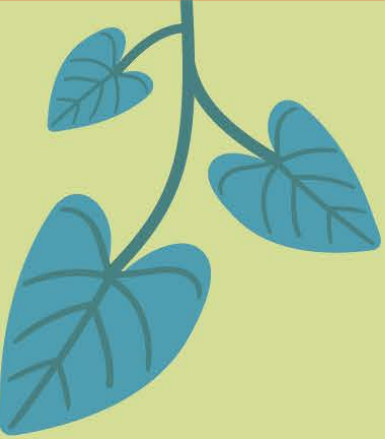
*Look forward to Term 1 2024!*

To help your child infer the author's tone, attitude, and intended meaning in a passage, we will teach your child a **structured schema for critical reading** to help them **form inferences from the author's language**.

To boost your child's scores for Content and Language for the Summary, we will **widen your child's repertoire of techniques** to **distinguish relevant from irrelevant ideas**, and to **paraphrase an idea without losing its meaning**.

The Oral Planned Response Question is a new component in the revised 'O' level exam syllabus. We will teach your child to **maximise their preparation time** by **taking notes and planning their answer** so they can deliver a persuasive response.





# Secondary 3 Additional Mathematics (Mainstream)

Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 3 Mathematics

## Term 4 Snapshots

### Topic(s) covered

- **Focus on Revision and Exam Preparation** – Your child completed **2 practice tests** to strengthen understanding of topics covered in the year and honed skills such as time management, answering techniques and checking habits.

### Skill(s) learnt

- As exams increasingly feature application – based problems in specific contexts, our **Mathematics in Real – Life Applications** series provided your child with the opportunity to analyse real-world contexts to apply knowledge and skills gained from before.

### Highlights

- **Early headstart to next year's curriculum** - selected **new Secondary 4 topics** were introduced post-examinations and during the school holidays (including Differentiation, Proof in Plane Geometry, Applications of Differentiation).
- Games and activities were used to introduce selected new topics.

# Secondary 4 Mathematics

## Term 1 What to expect

### Topic(s) covered

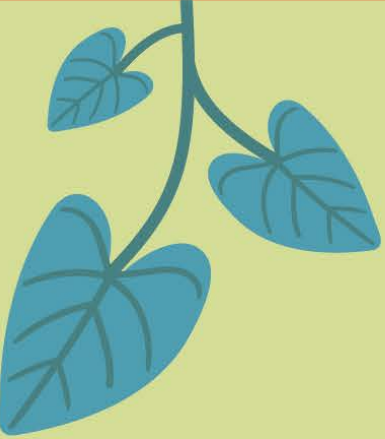
- **Intensive Revision of Trigonometry** – Often cited as the most challenging topic for Secondary 3, we will spend the first few weeks to revise key concepts and help your child close any learning gaps before moving on to the final segment of calculus topics.
- **4 new Secondary Four topics – Differentiation, Applications of Differentiation, Derivatives of Trigonometric Functions, and Derivatives of Exponential and Logarithmic Functions** will be covered. We will start from fundamentals before going into a wide range of questions for exposure of how concepts are applied differently.

### Skill(s) learnt

- Coverage of new topics includes the introduction of **new math terms and skills** which will be weaved into your child's existing math knowledge. These include solving questions involving differentiation, which builds onto their understanding of gradient and algebra.

### Highlights

- **Comprehensive notes and practice questions** will be provided to support your child's learning of the numerous new topics.
- Besides the emphasis in class to ensure the work is carefully presented, your child will work on **error analysis handouts** to practise identifying and explaining common pitfalls with logical reasoning and precise math language.



# Secondary 3 Elementary Mathematics

Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 3 E Mathematics

## Term 4 Snapshots

### Topic(s) covered

- **Focus on Revision and Exam Preparation** – Your child completed **2 practice tests** to strengthen understanding of topics covered in the year and honed skills such as time management, answering techniques and checking habits.

### Skill(s) learnt

- As exams increasingly feature application – based problems in specific contexts, our **Mathematics in Real – Life Applications** series provided your child with the opportunity to analyse real - world contexts to apply knowledge and skills gained from before.

### Highlights

- **Early headstart to next year's curriculum** - selected **new Secondary 4 topics** were introduced post-examinations and during the school holidays (including Statistical Data Analysis, Probability and Sets, Matrices and Vectors).
- Games and activities were used to introduce selected new topics.

# Secondary 4 E Mathematics

## Term 1 What to expect

### Topic(s) covered

- As we begin the graduating year, your child will **complete the last five topics of Upper Secondary Mathematics**, before launching into an **intensive review** of all their four years of mathematics from mid-June in Term 3.
- **4 new Secondary Four topics – Probability, Sets, Statistical Data Analysis and Matrices** will be covered this term. We will start from fundamentals before going into a wide range of questions for exposure of how concepts are applied differently.

### Skill(s) learnt

- Coverage of new topics includes the introduction of **new math terms and skills** which will be weaved into your child's existing math knowledge. These include solving questions involving probability as well as the knowledge and understanding of different statistical diagrams such as stem – and – leaf diagram and dot diagram.

### Highlights

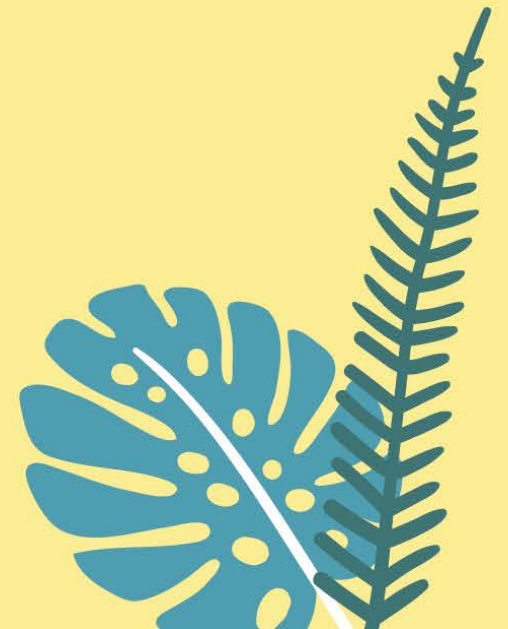
- **Comprehensive notes and practice questions** will be provided to support your child's learning of the numerous new topics.
- **Learning consolidation** will be done through **topical quizzes** to support your child's consistent revision and hone examination skills such as time management and answering techniques.



# Secondary 3 Biology

Term 4 2023 Snapshots

Term 1 2024 Highlights





# Secondary 3 Biology

## Term 4 Snapshots

### Topics covered

- **Revision of S3 topics** (Infectious Diseases, Nutrition and Transport in Plants, Coordination and Response and more)

### Topics covered in AY2024

The topics to be covered are subject to change. Parents/students are strongly encouraged to share the school's scheme of work with us when available.

- **Highlight:** Testing reflexes and responses of the body
- **Skills learnt include:**
  - Experimental design techniques, handling apparatus, data collection and presentation
  - Calculations and drawing conclusions, analysing experimental errors

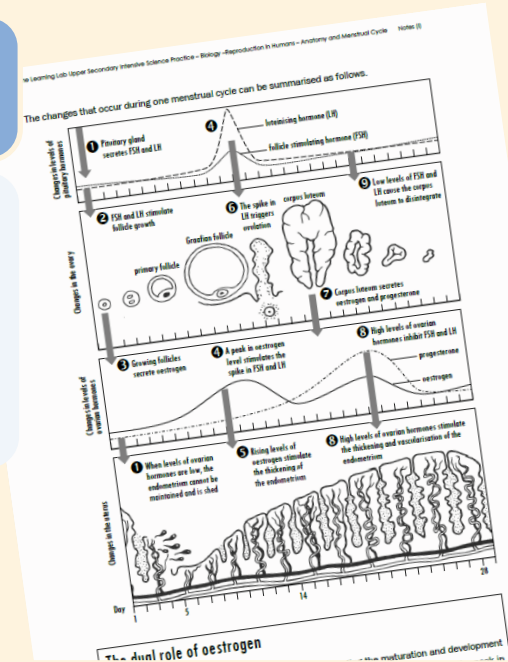
# Secondary 4 Biology

## Term 1 What to expect

### Topics covered

- **Introduction to S4 topics** (Organisms and Their Environment, Modes of Reproduction, Reproduction in Plants, Reproduction in Humans)

- **Highlight:** Learning in-depth about Reproduction
- **Skills learnt include:**
  - Question analysis (Data-based and application questions)
  - Answering techniques (Analysing changes during menstrual cycle)
  - Application of concepts (Prostatic hyperplasia in men, Endometriosis in women)

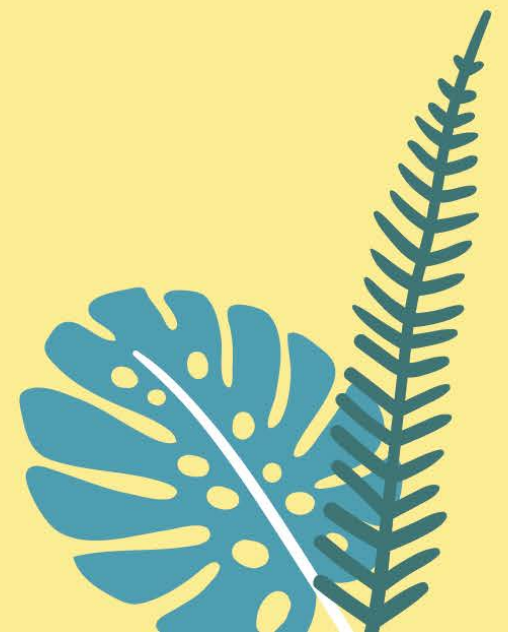




# Secondary 3 Chemistry

Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 3 Chemistry

## Term 4 Snapshots

### Topics covered

- **Revision of S3 topics**  
(Atomic Structure, Chemical Bonding, Acids and Bases, Salts and more)
- **Introduction to S4 topics**  
(Electrochemistry, Organic Chemistry and more)

- **Highlight:** Thematic tests for exam preparation
- **Skills learnt include:**
  - Examination skills (Time allocation, question analysis, answering techniques)
  - Error analysis (Common misconceptions and pitfalls)

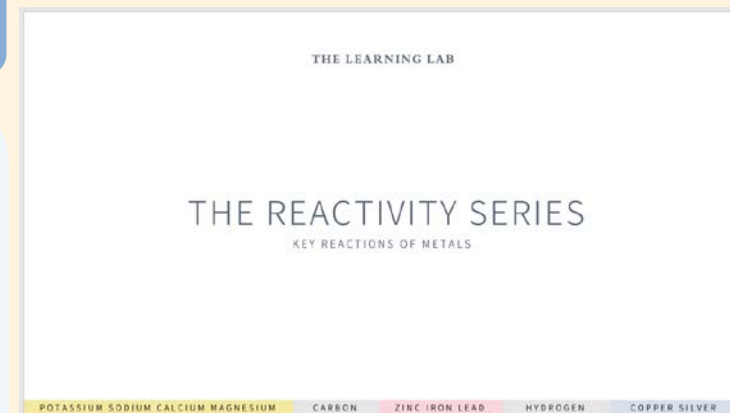
# Secondary 4 Chemistry

## Term 1 What to expect

### Topics covered

- **Revision of S3 topics**  
(Qualitative Analysis, Salts, Periodic Table and more)
- **Reactivity Series**
- **Rate of Reactions**
- **Chemical Energetics**
- **Electrolysis**

- **Highlight:** Online Reactivity Series deck with key reactions summarised for quick revision of concepts
- **Skills learnt include:**
  - Question analysis (Data-based and application questions)
  - Answering techniques (Sketching energy level diagrams and energy profile diagrams)



### Topics covered in AY2024



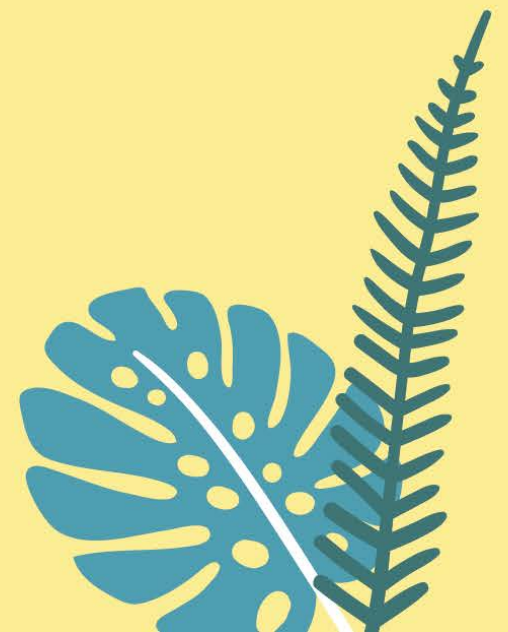
The topics to be covered are subject to change. Parents/students are strongly encouraged to share the school's scheme of work with us when available.



# Secondary 3 Physics

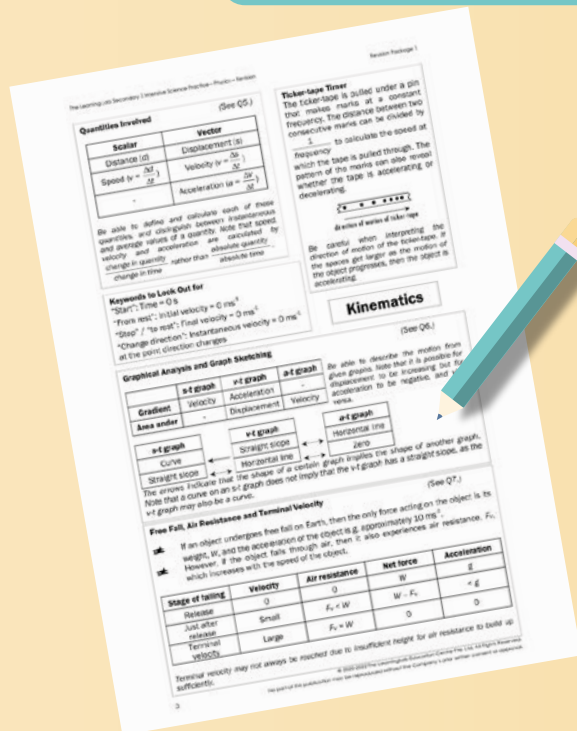
Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 3 Physics

## Term 4 Snapshots



## Topics covered

- Revision of S3 topics (Measurements, Kinematics, Dynamics, Thermal Processes, General Wave Properties, Light and more)

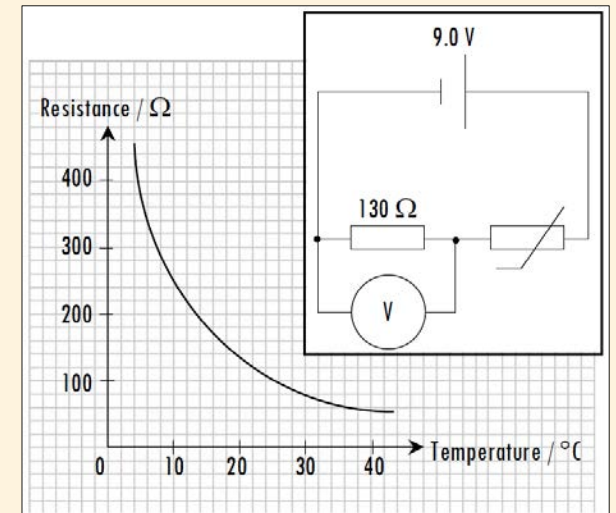
- **Highlights:** Practice tests, topical tests and revision packages
- **Skills learnt include:**
  - Examination skills (Time management and answering techniques)
  - Error analysis (Revision packages consolidate tips for avoiding common pitfalls)

# Secondary 4 Physics

## Term 1 What to expect

## Topics covered

- Revision of S3 topics (Turning Effects of Forces, Pressure, Energy)
- Static Electricity
- Current of Electricity
- D.C. Circuits
- Practical Electricity



### Topics covered in AY2024

The topics to be covered are subject to change. Parents/students are strongly encouraged to share the school's scheme of work with us when available.

- **Highlight:** A deep dive into Electricity
- **Skills learnt include:**
  - Question analysis (Data-based and application questions)
  - Answering techniques (Redrawing circuit diagrams)
  - Application of concepts (Transducers in fire alarms and automatic lighting)