



# Secondary 1 English (IP)

Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 1 IP

## Snapshots of Term 4

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

**An awareness of current affairs** will help your child excel in **essay writing**. We whetted your child's appetite for global news by introducing them to **articles and documentaries** from renowned sources.

**Memorable narrative essays** show how a character transforms over their journey. We taught your child how to develop a **clear character growth arc** and craft a **personal reflection** which highlights the **lessons learnt**.

**Presentation skills** are not explicitly taught in schools but are tested in school assessments. We taught your child to **enrich their presentation with personal insights**.



# Secondary 2 IP

## Highlights of Term 1

Look forward to Term 1 2024!

To excel in **Reading Comprehension**, your child must be able to **explain and infer the author's intent behind their use of language**. We will teach your child how to form inferences by analysing **characterisation and literary techniques**.

**Summary writing** practices become more challenging in upper secondary. We **build on your child's existing skillset** by introducing **new paraphrasing techniques** such as **explanation** and **forming generalisations**.

Knowledge of **advanced literary techniques** will help your child in both his or her **Literature** and **English** assessments. We guide your child through a **coloured infographic** that helps him or her **recall and apply** these techniques in **his or her own writing**.





# Secondary 1 Mathematics (IP)

Term 4 2023 Snapshots

Term 1 2024 Highlights



# Secondary 1 Mathematics

## Term 4 Snapshots

### Topic(s) covered

- **Focus on Revision and Exam Preparation** – Your child **completed 2 practice tests and 1 error analysis handout** 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 analyze real-world contexts to apply knowledge and skills gained from before.

### Highlights

- **Early headstart to next year's curriculum** - selected **new Secondary 2 topics** were introduced post-examinations and during the school holidays (including Simultaneous Equations, Pythagoras' Theorem, Maps and Scales, Probability, Congruency and Similarity, Direct and Inverse Proportion).
- Games and activities were used to introduce selected new topics.

# Secondary 2 Mathematics

## Term 1 What to expect

### Topic(s) covered

- A large part of Secondary 2 math builds upon and enhances the algebraic concepts and skills your child mastered in their first year.
- For the first term, **6 new Secondary 2 topics related to algebra will be introduced. Expansion and Factorisation of Algebraic Expressions, Algebraic Fractions and Formula, Linear Simultaneous Equations, Quadratic Equations and Linear Inequalities** will be covered, from fundamentals to the different applications.

### Skill(s) learnt

- Building on the foundations covered in Secondary 1, we will continue to **deep dive into skills relating to algebraic manipulations.**
  - Progress from linear expressions to quadratic expressions
  - New skill of expanding and factorising algebraic expressions.
  - Manipulation of complex algebraic fractions and equations
- Progressing from the manipulation of quadratic expressions, your child will have the chance to **apply these new skills into solving word problems involving quadratic equations.**

### 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 1 Science\*

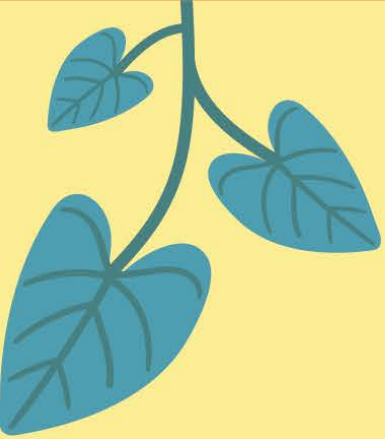
Term 4 2023 Snapshots

Term 1 2024 Highlights



\*Different menus & clusters available for Science based on the schemes of work of schools

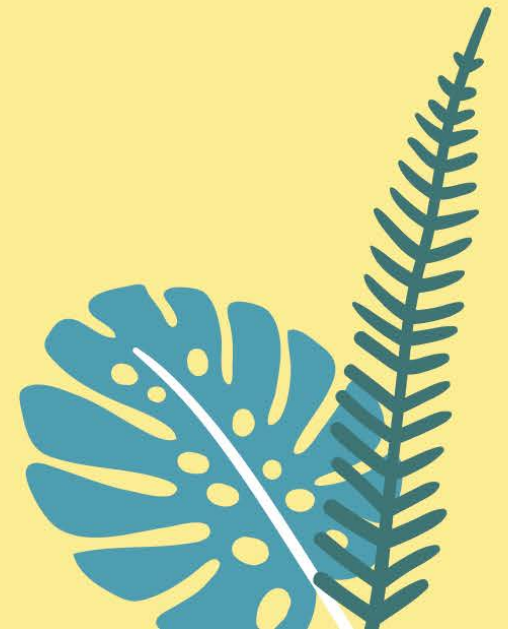




# Secondary 1 Science (S14)

Term 4 2023 Snapshots

Term 1 2024 Highlights



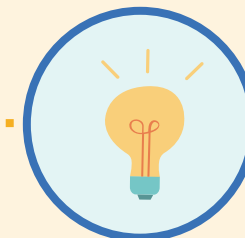
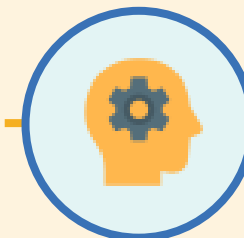


# Secondary 1 Science

# Secondary 2 Science

## Term 4 Snapshots

## Term 1 What to expect



### Topics covered

### Skills learnt

### Highlights

### Topics covered

### Skills learnt

### Highlights

- **Revision of S1 topics**  
(Physical Properties, Chemical Composition, Separation Techniques, Light and more)
- **Introduction to S2 topics**  
(Interactions within Ecosystems, Forces, Chemical Changes, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Identifying characteristics of chemical changes)
- **Experimental skills**  
(Drawing conclusions based on experimental observations)

- **Mock papers**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Acids and Bases, Transport System in Humans and more)
- **Forces and Pressure**
- **Energy**
- **Temperature and the Effects of Heat**
- **Thermal Processes**

- **Question analysis**  
(Recognising how to calculate energy or work done)
- **Application of concepts**  
(Relating Pressure concepts to drinking straws and cutting tools)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

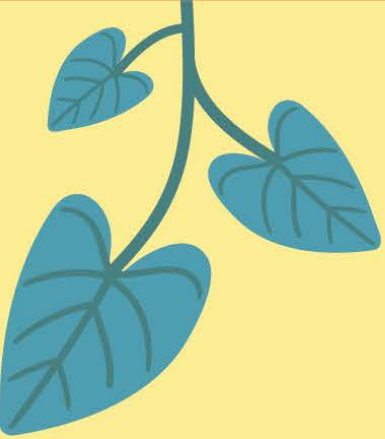
- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe, Transport System in Humans card game)

#### 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 1 Science (S01)

Term 4 2023 Snapshots

Term 1 2024 Highlights

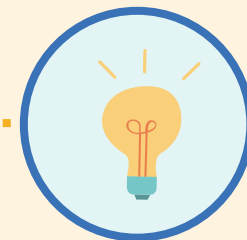
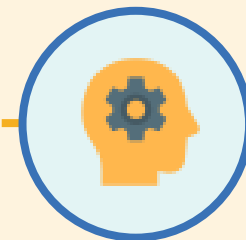


# Secondary 1 Science

# Secondary 2 Science

## Term 4 Snapshots

## Term 1 What to expect



### Topics covered

### Skills learnt

### Highlights

### Topics covered

### Skills learnt

### Highlights

- **Revision of S1 topics**  
(Physical Properties, Chemical Composition, Chemical Bonding, Light and more)
- **Introduction to S2 topics**  
(Interactions within Ecosystems, Forces, Chemical Changes, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Identifying characteristics of chemical changes)
- **Experimental skills**  
(Drawing conclusions based on experimental observations)

- **Mock papers**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Acids and Bases, Transport System in Humans and more)
- **Chemical Changes**
- **Formulae and Equation Writing**
- **Acids and Bases**
- **Forces and Pressure**
- **Energy**

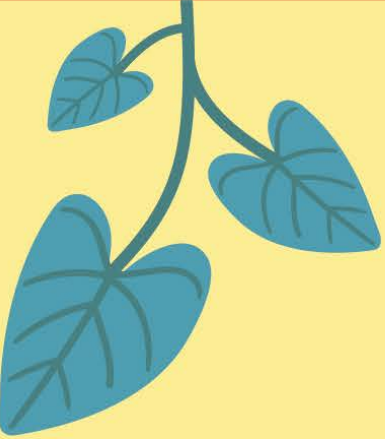
- **Question analysis**  
(Recognising how to calculate energy or work done)
- **Application of concepts**  
(Relating Transport System in Humans concepts to blood donation)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe, Transport System in Humans card game)



#### Topics covered in AY2024

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# Secondary 1 Science (S02)

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Term 1 2024 Highlights

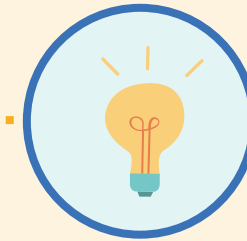
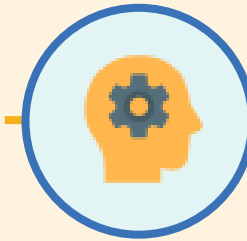


# Secondary 1 Science

# Secondary 2 Science

## Term 4 Snapshots

## Term 1 What to expect



### Topics covered

### Skills learnt

### Highlights

### Topics covered

### Skills learnt

### Highlights

- **Revision of S1 topics**  
(Physical Properties, Chemical Composition, Separation Techniques, Light and more)
- **Introduction to S2 topics**  
(Interactions within Ecosystems, Forces, Chemical Changes, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Identifying characteristics of chemical changes)
- **Experimental skills**  
(Drawing conclusions based on experimental observations)

- **Mock papers**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Acids and Bases, Transport System in Humans and more)
- **Forces and Pressure**
- **Turning Effects of Forces**
- **Energy**
- **Thermal Physics**

- **Question analysis**  
(Recognising how to calculate energy or work done)
- **Application of concepts**  
(Relating Pressure concepts to drinking straws and cutting tools)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe, Transport System in Humans card game)



#### Topics covered in AY2024

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# Secondary 1 Science (S03)

Term 4 2023 Snapshots

Term 1 2024 Highlights

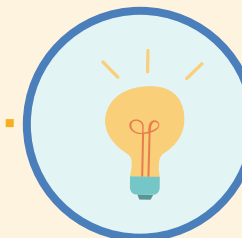
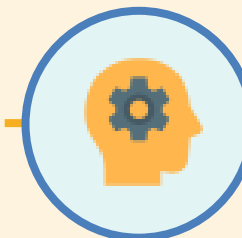
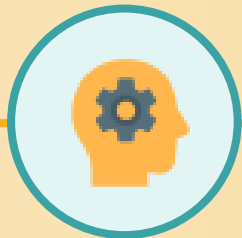


# Secondary 1 Science

# Secondary 2 Science

Term 4  
Snapshots

Term 1  
What to expect



Topics covered

Skills learnt

Highlights

Topics covered

Skills learnt

Highlights

- **Revision of S1 topics**  
(Chemical Composition, Kinetic Particle Theory and more)
- **Introduction to S2 topics**  
(Interactions within Ecosystems, Forces, Chemical Changes, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Identifying characteristics of chemical changes)
- **Experimental skills**  
(Drawing conclusions based on experimental observations)

- **Mock papers**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Energy, Acids and Bases and more)
- **Atomic Structure**
- **Periodic Table**
- **Chemical Bonding**

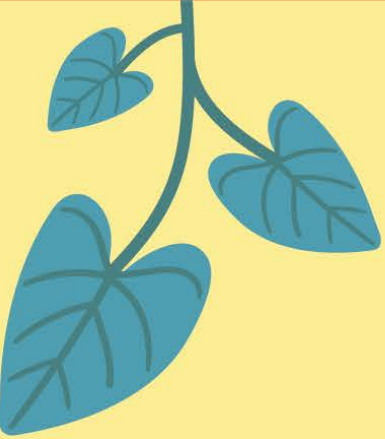
- **Question analysis**  
(Recognising how to calculate energy or work done)
- **Answering techniques**  
(Drawing electronic structures)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe)

Topics covered in AY2024



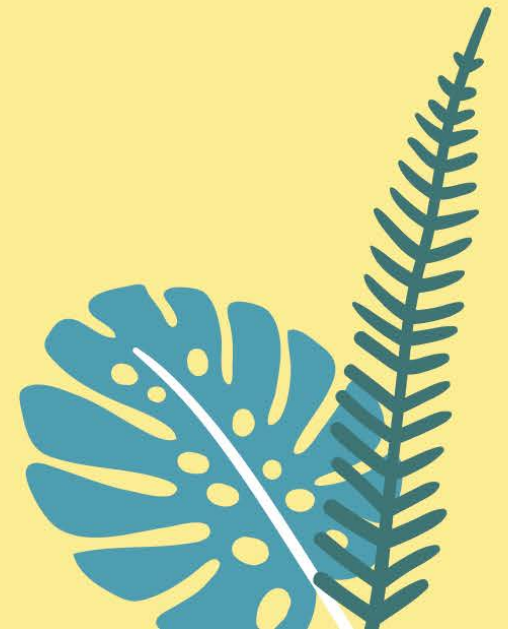
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# Secondary 1 Science (S04)

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Term 1 2024 Highlights



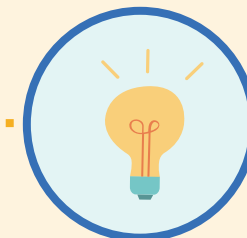
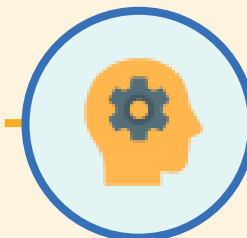


# Secondary 1 Science

# Secondary 2 Science

Term 4  
Snapshots

Term 1  
What to expect



Topics covered

Skills learnt

Highlights

Topics covered

Skills learnt

Highlights

- **Revision of S1 topics**  
(Separation Techniques, Interactions within Ecosystems, Forces and Pressure and more)
- **Introduction to S2 topics**  
(Movement of Substances, Biological Molecules, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Identifying characteristics of chemical changes)
- **Experimental skills**  
(Making measurements and observations, analysing experimental results)

- **Revision tests**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Acids and Bases, Energy, Transport System in Humans and more)
- **Enzymes**
- **Sound**
- **Movement of Substances**
- **Electricity**

- **Question analysis**  
(Recognising how to calculate energy or work done)
- **Application of concepts**  
(Relating Transport System in Humans concepts to blood donation)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe, Transport System in Humans card game)

Topics covered in AY2024



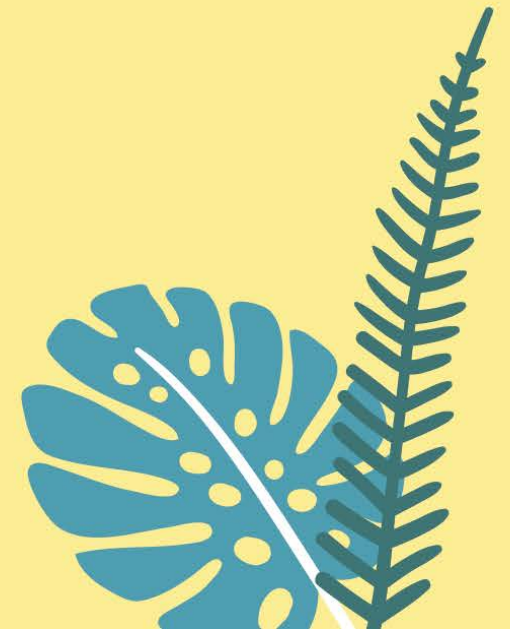
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# Secondary 1 Science (S05)

Term 4 2023 Snapshots

Term 1 2024 Highlights

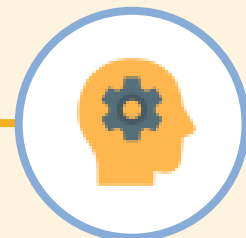


# Secondary 1 Science

# Secondary 2 Science

Term 4  
Snapshots

Term 1  
What to expect



Topics covered

Skills learnt

Highlights

Topics covered

Skills learnt

Highlights

- **Revision of S1 topics**  
(Biological Molecules, Physical Quantities, Mass, Weight and Density and more)
- **Introduction to S2 topics**  
(Interactions within Ecosystems, Forces, Chemical Changes, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Identifying characteristics of chemical changes)
- **Experimental skills**  
(Drawing conclusions based on experimental observations)

- **Mock papers**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Acids and Bases, Transport System in Humans and more)
- **Forces and Pressure**
- **Energy**
- **Temperature and the Effects of Heat**
- **Thermal Processes**

- **Question analysis**  
(Recognising how to calculate energy or work done)
- **Application of concepts**  
(Relating Transport System in Humans concepts to blood donation)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe, Transport System in Humans card game)



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 1 Science (S06)

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Term 1 2024 Highlights

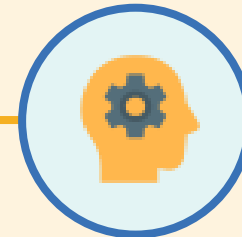
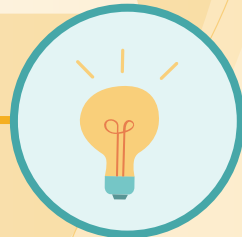
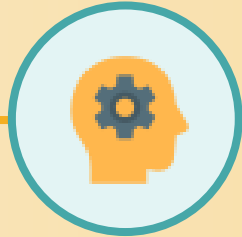


# Secondary 1 Science

# Secondary 2 Science

## Term 4 Snapshots

## Term 1 What to expect



### Topics covered

### Skills learnt

### Highlights

### Topics covered

### Skills learnt

### Highlights

- **Revision of S1 topics**  
(Light, Kinetic Particle Theory, Transport Systems and more)
- **Introduction to S2 topics**  
(Interactions within Ecosystems, Forces, Chemical Changes, Electricity and more)

- **Examination skills**  
(Time management, question analysis, answering techniques)
- **Application of concepts**  
(Drawing ray diagrams)
- **Experimental skills**  
(Drawing conclusions based on experimental observations)

- **Mock papers**
- **Experiments**  
(Parachute science, Food tests, Gummy bear osmosis)
- **Interactive online components**  
(Ecosystem saboteur, Electricity game)

- **Introduction to S2 topics**  
(Energy, Transport System in Humans and more)
- **Chemical Bonding**
- **Formulae and Equation Writing**
- **Acids and Bases**
- **Chemical Changes**

- **Question analysis**  
(Calculating energy or work done)
- **Application of concepts**  
(Relating Transport System in Humans to blood donation)
- **Experimental skills**  
(Handling set-ups, recording and analysing data)

- **Experiments**  
(pH tests, rolling marble energy experiment)
- **Educational games**  
(Acids and Bases crossword puzzle, Energy tic-tac-toe, Transport System in Humans card game)

#### Topics covered in AY2024



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.