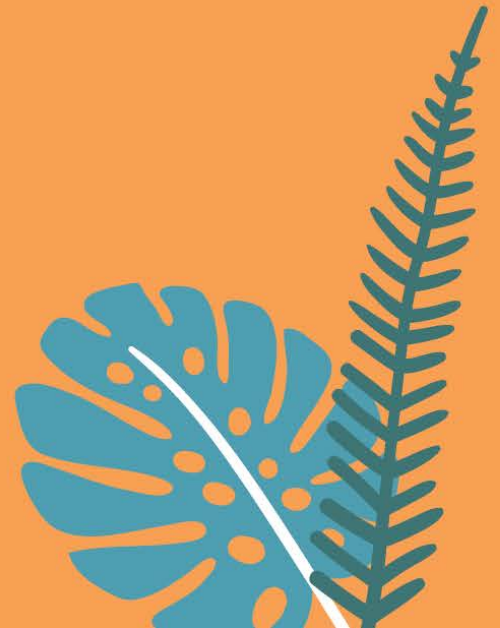




Secondary 2 English (Mainstream)

Term 4 2023 Snapshots

Term 1 2024 Highlights



Secondary 2 O

Snapshots of Term 4

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

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**.

Essays should end with **a punch!** We taught your child an **easy-to-remember acronym** (ROW) to write a strong essay conclusion.

At the O Levels, students need to **critically evaluate information from different sources**. We taught your child to **analyse** how ideas are **interconnected** in diverse text types.



Secondary 3 O

Highlights of Term 1

Look forward to Term 1 2024!

Accurate clue-sourcing is vital when answering reading comprehension questions. We will teach your child to sharpen this skill **using TLL's Mirror Technique**.

Students' essays are often **formulaic and lacking a distinctive personal voice**. We will teach your child to **enrich their writing with literary devices**, going beyond using templated words or phrases.

This year, your child will encounter trickier summary passages and more complex summary points. We will teach your child the **TLL RED Technique** to help them **accurately source for summary points**, and review the key skill of **generalising when paraphrasing from specific examples**.





Secondary 2 Mathematics (Mainstream)

Term 4 2023 Snapshots

Term 1 2024 Highlights



Secondary 2 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 analyse real-world contexts to apply knowledge and skills gained from before.

Highlights

- **Early headstart to next year's curriculum** – selected **new Secondary 3 Additional Math topics** was introduced post-examinations and during the school holidays (including Non-linear Simultaneous Equations, Surds, Indices, Logarithms, Coordinate Geometry, Quadratic Functions).
- Games and activities were used to introduce selected new topics.

Secondary 3 Mathematics Secondary 3 Additional Mathematics

Term 1 What to expect

Topic(s) covered

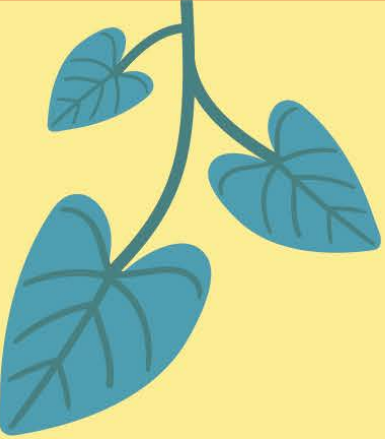
- **Secondary 3 (S3) math splits into two subjects:** one Elementary Math and an optional Additional Math.
- If your child continues with **Additional Math in S3**, the separate program will develop their knowledge in topics different from Elementary Math
- **For Additional Math:** Non-linear Simultaneous Equations, Quadratic Inequalities, Surds, Polynomials and Partial Fractions will be covered.
- **For Elementary Math:** Quadratic Equations and Functions, Indices, Linear Inequalities, Standard Form and Compound Interest will be covered.

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 from Lower Secondary.
- **For Additional Math:** These includes enhancing their equation-solving skills, covering simultaneous equations, inequalities, and sharpening their understanding of quadratic equations with varying numbers of solutions.
- **For Elementary Math:** These includes building on their existing equation-solving skills from lower secondary and develop a practical understanding of working with interest rates.

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 2 Science (S14)

Term 4 2023 Snapshots

Term 1 2024 Highlights

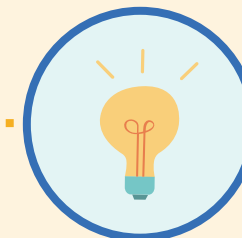
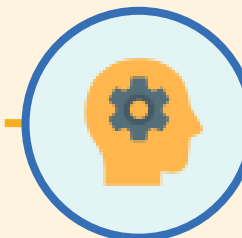


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

Skills learnt

Highlights

Biology

Chemistry

Physics

- **Revision of S2 topics**
(Electricity, Chemical Changes, Transport in Living Things, Human Sexual Reproductive System and more)
- **Introduction to S3 topics**
(Molecular Genetics, Mole Concept and Stoichiometry, Pressure and more)

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

- **Topics**
(Experimental Design, Atomic Structure, Chemical Bonding and Structure and more)
- **Skills**
(Presenting experimental data using appropriate tables and graphs)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)



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 2 Science*

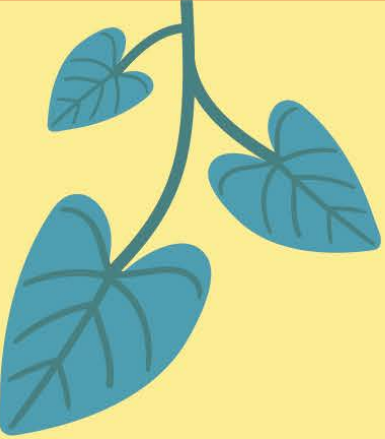
Term 4 2023 Snapshots

Term 1 2024 Highlights



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





Secondary 2 Science (S01)

Term 4 2023 Snapshots

Term 1 2024 Highlights

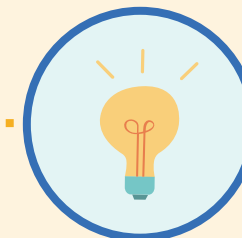
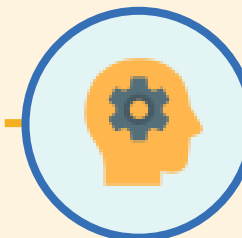
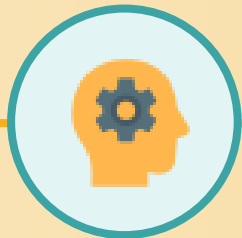


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

Skills learnt

Highlights

Biology

Chemistry

Physics

- **Revision of S2 topics**
(Electricity, Biological molecules, Human Digestive System, Human Sexual Reproductive System and more)
- **Introduction to S3 topics**
(Molecular Genetics, Mole Concept and Stoichiometry, Pressure and more)

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

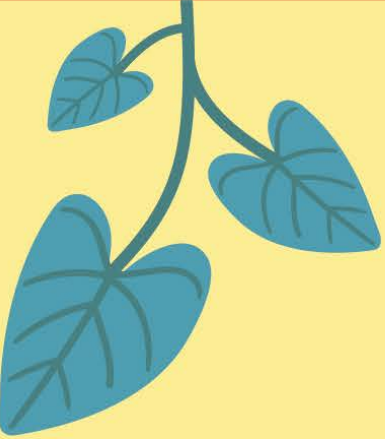
- **Topics**
(Experimental Design, Atomic Structure, Chemical Bonding and Structure and more)
- **Skills**
(Presenting experimental data using appropriate tables and graphs)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)



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 2 Science (S02)

Term 4 2023 Snapshots

Term 1 2024 Highlights

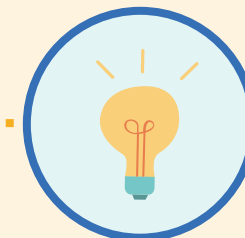
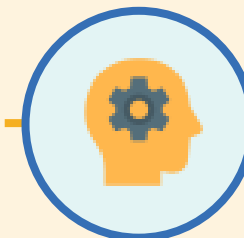


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

Skills learnt

Highlights

Biology

Chemistry

Physics

- **Revision of S2 topics**
(Electricity, Chemical Changes, Transport in Living Things, Human Sexual Reproductive System and more)
- **Introduction to S3 topics**
(Molecular Genetics, Mole Concept and Stoichiometry, Pressure and more)

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)



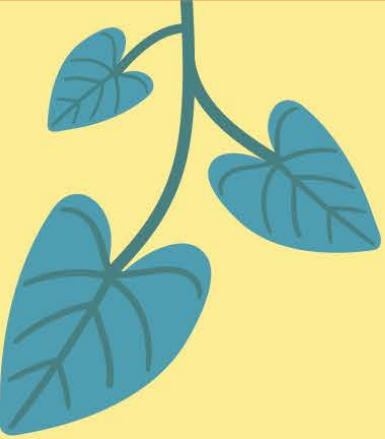
Topics covered in AY2024

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.

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

- **Topics**
(Chemical Bonding and Structure, Mole Concept and Stoichiometry)
- **Skills**
(Performing chemical calculations)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)



Secondary 2 Science (S03)

Term 4 2023 Snapshots

Term 1 2024 Highlights

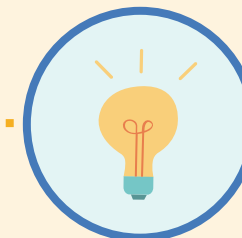
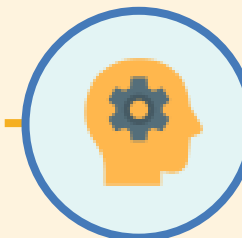


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

Skills learnt

Highlights

Biology

Chemistry

Physics

- **Revision of S2 topics**
(Light, Acids and Bases and more)
- **Introduction to S3 topics**
(Inheritance, Mole Concept and Stoichiometry, Pressure and more)

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

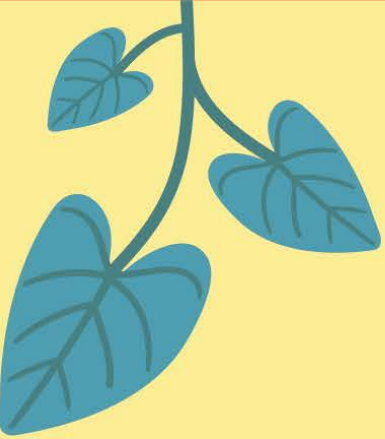
- **Topics**
(Experimental Design, Atomic Structure, Chemical Bonding and Structure and more)
- **Skills**
(Presenting experimental data using appropriate tables and graphs)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)



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 2 Science (S04)

Term 4 2023 Snapshots

Term 1 2024 Highlights

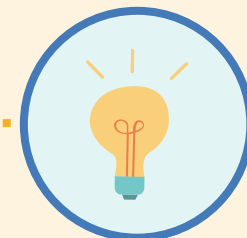
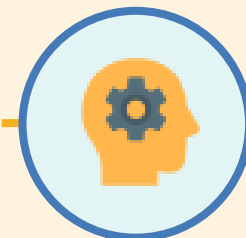


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

Skills learnt

Highlights

Biology

Chemistry

Physics

- **Revision of S2 topics**
(Human Digestive System, Chemical Changes, Chemical Bonding, Human Sexual Reproductive System and more)
- **Introduction to S3 topics**
(Molecular Genetics, Mole Concept and Stoichiometry, Pressure and more)

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)



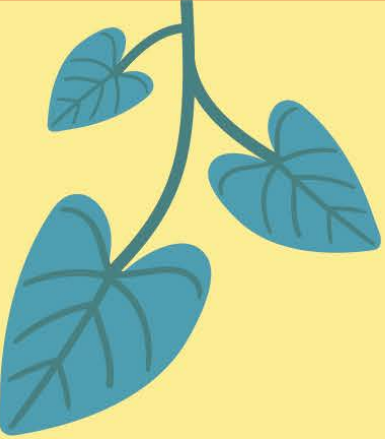
Topics covered in AY2024

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.

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

- **Topics**
(Experimental Design, Atomic Structure, Chemical Bonding and Structure and more)
- **Skills**
(Presenting experimental data using appropriate tables and graphs)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

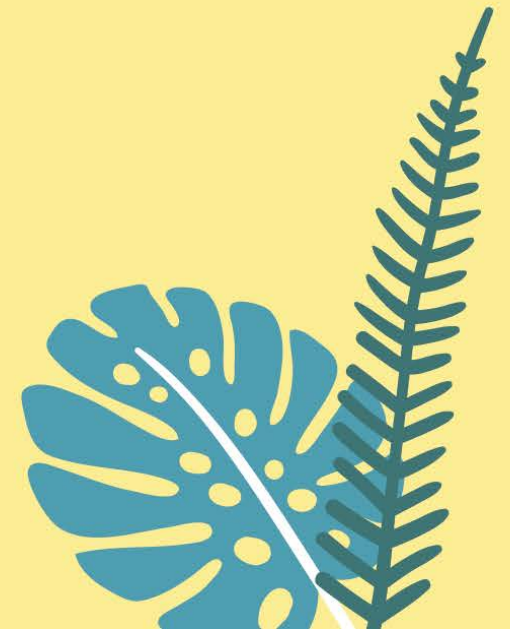
- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)



Secondary 2 Science (S05)

Term 4 2023 Snapshots

Term 1 2024 Highlights

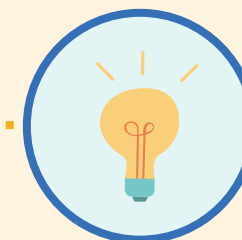
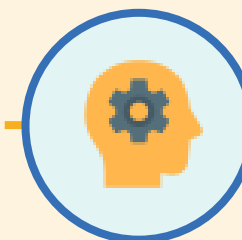
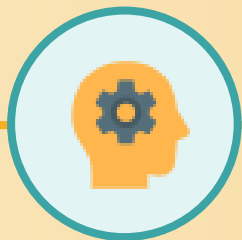


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

Skills learnt

Highlights

Biology

Chemistry

Physics

- **Revision of S2 topics**
(Formulae and Equation Writing, Acids and Bases, Interactions within Ecosystems, Human Sexual Reproductive System and more)
- **Introduction to S3 topics**
(Molecular Genetics, Mole Concept and Stoichiometry, Pressure and more)

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

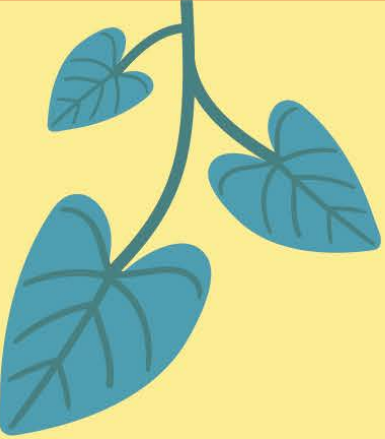
- **Topics**
(Experimental Design, Atomic Structure, Chemical Bonding and Structure and more)
- **Skills**
(Presenting experimental data using appropriate tables and graphs)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)

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 2 Science (S06)

Term 4 2023 Snapshots

Term 1 2024 Highlights

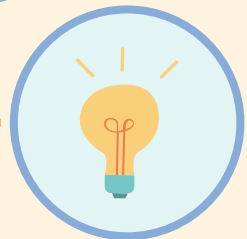
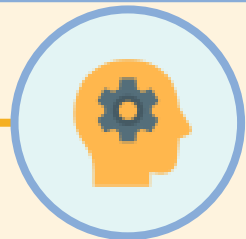


Secondary 2 Science

Secondary 3 Science

Term 4
Snapshots

Term 1
What to expect



Topics covered

- **Revision of S2 topics**
(Electricity, Chemical Changes, Transport in Living Things, Human Sexual Reproductive System and more)
- **Introduction to S3 topics**
(Molecular Genetics, Mole Concept and Stoichiometry, Pressure and more)

Skills learnt

- **Examination skills**
(Time management, question analysis, answering techniques)
- **Application of concepts**
(Performing chemical calculations)
- **Experimental skills**
(Conducting a titration)

Highlights

- **Revision tests**
- **Experiments**
(Determining pH of sample, Bottle "barometer")
- **Hands-on activities**
(Game for Ecology, Building a DNA Structure)

Biology

- **Topics**
(Cell Biology, Movement of Substances, Biological Molecules and more)
- **Skills**
(Experimental skills, Recording data using appropriate tables and graphs)
- **Hands-on**
(Conducting experiment on osmosis and starch test)

Chemistry

- **Topics**
(Experimental Design, Atomic Structure, Chemical Bonding and Structure and more)
- **Skills**
(Presenting experimental data using appropriate tables and graphs)
- **Hands-on**
(Making ball-and-stick models of covalent substances)

Physics

- **Topics**
(Physical Quantities, Units and Measurements, Kinematics, Dynamics and more)
- **Skills**
(Drawing scaled vector diagrams and Kinematics graphs)
- **Hands-on**
(Constructing optical illusion set-ups)

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.