

Support for Secondary Schools

**National Tutoring
Programme
2022/2023**

Contents

About Us	3
Our Services	
Online Tutoring	6
Online Learning Platform	7
Teaching Materials	8
Note-taking Frameworks	9
Assessments	10
Tailored Education Packages	
Types of Packages	11
English	12
Maths	14
Science	17



About Us

At Seven Springs Education, we are passionate about providing high-quality online tuition that is accessible to all students. Through the National Tutoring Programme (NTP), we are proud to offer schools a range of education packages in English, Maths and Science that can be tailored to students' levels and abilities.

Our Tutors

Our tutors are handpicked from the most prestigious universities, including Oxford, Cambridge and UCL, or for having extensive experience in the classroom. Our team includes tutors who have worked with specialist student groups such as those with SEND or EAL support needs.

They are **subject specialists**, **professional tutors** or **qualified teachers** and have undergone our rigorous recruitment and training processes. They are skilled in teaching a variety of learning styles and can adapt educational materials to suit a wide range of attainment levels and learning speeds. All of our tutors have also undergone **enhanced DBS** with children's barred list checks.





Our Quality Assurance Scheme

At Seven Springs Education, delivering **high-quality online tuition** is our top priority. To ensure that all students receive the highest standard of tuition, we have implemented robust procedures for monitoring and reviewing tutors' work and processes for improvement. Seven Springs Education's Quality Assurance Policy outlines our comprehensive system for evaluating tutors' performance and providing additional support and training to tutors to ensure that all meet our standards for online tuition.

All of our NTP school partners are assigned a **designated School Liaison** who ensures that the transition to online tutoring is seamless for students. Our School Liaisons also work closely with school leaders and teachers to create educational plans that meet students' needs, and they pass on all relevant information to teachers and students.

Our Track Record



Our organisation has worked with over 150 schools and NGOs.



We have helped over 5,000 students improve their skills in English, Maths, and Science through tutoring.



Our team has extensive experience in working closely with schools to help students overcome educational challenges and catch up with their peers.



Since 2020, our innovative eLearning platforms have also supported over 120,000 students in 250 schools.

Case Studies

Science

On top of running several science camps in Macau, since 2018, we have developed a project with a Hong Kong secondary school providing in-person and online Science Camps for between 30-50 students. These camps focus on improving students' scientific knowledge, as well as their English speaking, writing and reading skills. Students frequently report that they enjoy learning through the experiments and interactive activities performed during the camps. In our survey following the 2021 camp, **100% of students reported an improvement in scientific knowledge**, with 32% reporting a significant improvement in their knowledge.

English

Between 2010 and 2019, we worked with another Hong Kong secondary school to provide Summer Bridging Courses. These courses focused on improving students' English skills and building their

confidence. Many of the 200 students who attended this course were discouraged learners who struggled to engage and excel in traditional learning environments. Our tutors worked to engage students using creative and interactive educational activities to teach and practise core skills. This teaching approach was very successful, with **over 90% of students reporting improvements in spelling and pronunciation**.

Maths

In 2013 and 2014, our team worked closely with the Hong Kong Society for Community Organisation (SoCO) to help two groups of around 30 students improve their maths skills. At the end of the 12-lesson maths course, **over 90% of students reported an improvement in their interest and grasp of key mathematical concepts**.





Our Services

Online Tutoring

At Seven Springs Education, we are passionate about providing flexible and engaging online tuition that instils a love of learning in students. Our approach combines academic excellence, flexibility and creativity.



**Academic
Excellence**

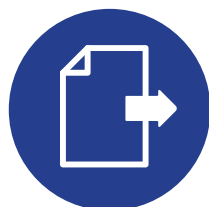


Flexibility



Creativity

Our online teaching platform, *Spring*, creates an interactive and engaging learning environment for students.



Tutors can share documents, videos, images, e-books and homework with students.



Our package of secure Zoom rooms allows students and tutors to speak fluently over a reliable and well-tested connection.



Our online whiteboard feature is great for demonstrating solutions to difficult maths, English and science problems.



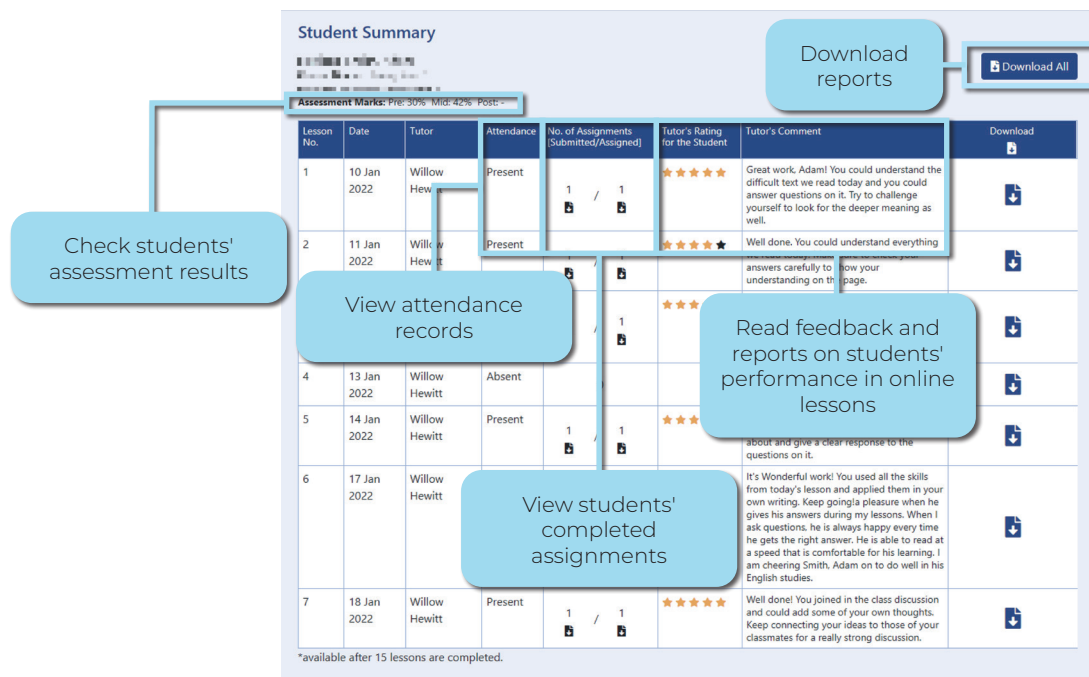
Our secure online classrooms and *Spring* platform ensure that all students can learn safely online.

Online Learning Platform

Partnering with us through the NTP will also grant your school access to a dedicated portal and your students access to *Spring*, our specialist online learning platform. *Spring* is tailor-made to secure all student information and is GDPR compliant.

Features of School Portal:

View comprehensive tutor reports to track students' attendance, attitude and progress.



Student Summary

Assessment Marks: Pre: 90% Mid: 42% Post: 100%

Download reports [Download All]

Lesson No.	Date	Tutor	Attendance	No. of Assignments (Submitted/Assigned)	Tutor's Rating for the Student	Tutor's Comment	Download
1	10 Jan 2022	Willow Hewitt	Present	1 / 1	★★★★★	Great work, Adam! You could understand the difficult text we read today and you could answer questions on it. Try to challenge yourself to look for the deeper meaning as well.	[Download]
2	11 Jan 2022	Willow Hewitt	Present	1 / 1	★★★★★	Well done, You could understand everything about and give a clear response to the questions on it.	[Download]
4	13 Jan 2022	Willow Hewitt	Absent	1 / 1	★★★★	It's Wonderful work! You used all the skills from today's lesson and applied them in your own writing. Keep going! A pleasure when he gives his answers during my lessons. When I ask questions, he is always happy every time he gets the right answer. He is able to read at a speed that is comfortable for his learning. I am cheering Smith, Adam on to do well in his English studies.	[Download]
5	14 Jan 2022	Willow Hewitt	Present	1 / 1	★★★★	Well done! You joined in the class discussion and could add some of your own thoughts. Keep connecting your ideas to those of your classmates for a really strong discussion.	[Download]
6	17 Jan 2022	Willow Hewitt	Absent	1 / 1	★★★★		[Download]
7	18 Jan 2022	Willow Hewitt	Present	1 / 1	★★★★★		[Download]

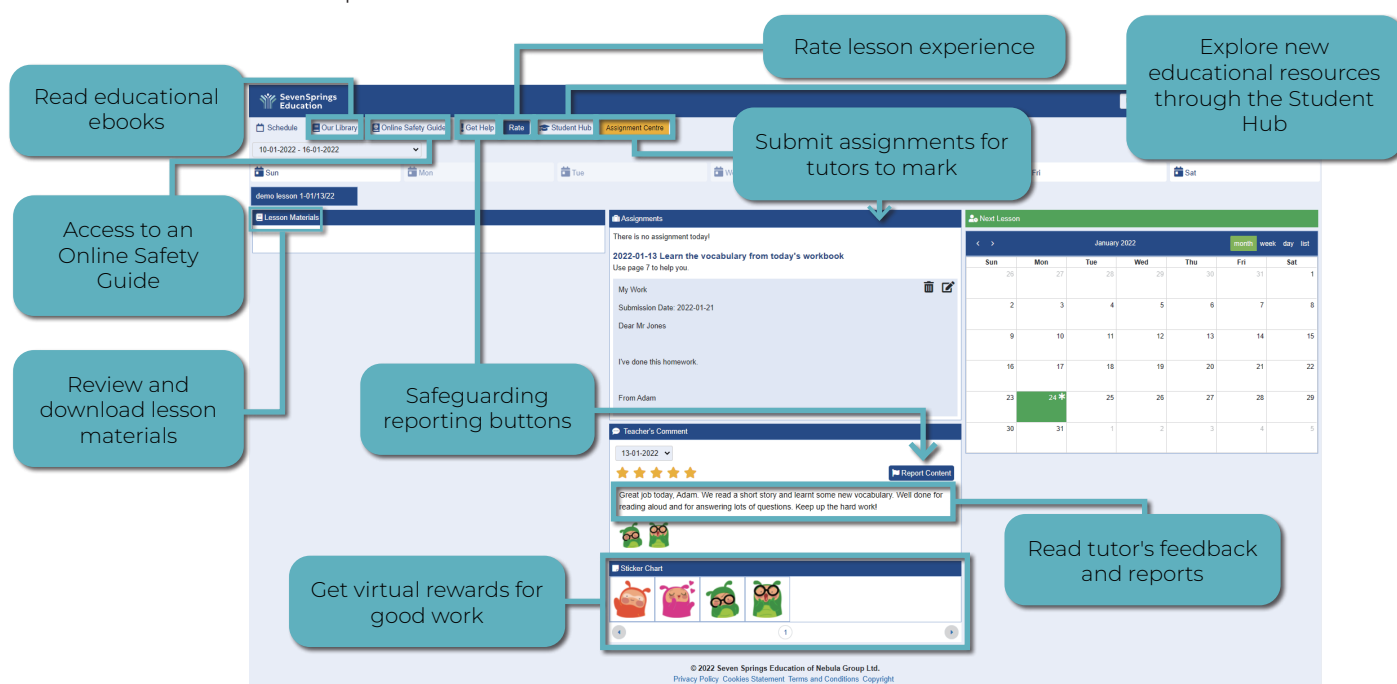
*available after 15 lessons are completed.

Callouts:

- Check students' assessment results
- View attendance records
- Read feedback and reports on students' performance in online lessons
- View students' completed assignments

Features of *Spring*:

A dedicated online platform for students.



Callouts:

- Read educational ebooks
- Access to an Online Safety Guide
- Review and download lesson materials
- Safeguarding reporting buttons
- Get virtual rewards for good work
- Rate lesson experience
- Submit assignments for tutors to mark
- Explore new educational resources through the Student Hub
- Read tutor's feedback and reports

Spring Portal Interface:

- Navigation: Schedule, Our Library, Online Safety Guide, Get Help, Rate, Student Hub, Assignment Centre
- Lesson Materials: demo lesson 1-01/13/22
- Assignments: 2022-01-13 Learn the vocabulary from today's workbook. Use page 7 to help you. My Work. Submission Date: 2022-01-21. Dear Mr Jones. I've done this homework. From Adam.
- Teacher's Comment: Great job today, Adam. We read a short story and learnt some new vocabulary. Well done for reading aloud and for answering lots of questions. Keep up the hard work!
- Report Card: [Visual progress bar]
- Calendar: January 2022

© 2022 Seven Springs Education of Nebula Group Ltd. Privacy Policy Cookies Statement Terms and Conditions Copyright



Teaching Materials

Our approach to teaching combines the flexibility and accessibility of using online educational materials with the focus and creativity of making handwritten notes. Our tutors have extensive experience teaching secondary school students and know how to bring the teaching materials to life. During online classes, our tutors encourage students to use a combination of digital e-textbooks and handwritten notes to develop their ideas and boost their attainment.

E-Textbooks

All online tutors for secondary school students have access to **specialist e-textbooks**. Our e-textbooks are suitable for students of all levels and abilities and are a valuable resource in helping students work at their own pace and catch up with their peers. All our e-textbooks closely follow the National Curriculum and present information in a creative and **easy-to-read** format. Key information is highlighted to students through knowledge banks and bold visuals, including high-quality diagrams and photographs. The e-textbooks also contain a wealth of **exam-style practice questions and exercises** that tutors will use to challenge students and test their abilities. For students preparing for their GCSE examinations, tutors use specialist, course-specific e-textbooks to help them revise key material, refine their exam techniques and practise challenging exam-style questions.

Energy resources

Know >

- 1 Explain why fossil fuels are non-renewable.
- 2 What is meant by renewable energy resources?
- 3 Name three examples of renewable energy resources.

Apply >>

- 4 Each energy resource has advantages and disadvantages. Copy and complete the table to give at least one advantage and one disadvantage for each energy resource.

Energy resource	Advantages	Disadvantages
Non-renewable		
Coal		
Crude oil/natural gas		
Renewable		
Solar		
Wind		
Wave		

Extend >>>

- 5 Compare the energy per gram for foods and for fossil fuels.
- 6 Suggest why wood is a more useful energy resource to produce than fat.

Enquiry >>>>

A simple experiment to compare the energy content of food is shown in the diagram. As the food burns, the water heats up. The more energy that is transferred, the greater the temperature increase measured on the thermometer.

- 7 What variables would need to be kept constant in this experiment, and why?
- 8 How can this experiment using vegetable oil be compared with the value for the energy content of the oil to the standard value. His value was much lower. Explain why?

2 Gravity

Key words

Mass is the amount of stuff (matter) in an object. **Mass is measured in kilograms (kg).**

Weight is the force of gravity acting on an object. **Weight is measured in Newtons (N).**

The area in which an object feels a force is called a **field**.

In everyday life we use the words **mass** and **weight** to mean the same thing. **In scientific terms they are not the same.**

Mass is a property of the object. As long as the object doesn't change, the mass will stay the same wherever the object is.

The weight of an object is a measure of the force due to gravity acting on the object. The weight of an object can change, even if the mass does not change. The weight depends on where an object is, and what other objects are around it.

The weight of an object can be calculated using the equation:

$$\text{weight (N)} = \text{mass (kg)} \times \text{gravitational field strength (N/kg)}$$

$$W = m \times g$$

Gravitational field strength depends on the mass of the planet and

Earth's gravitational field strength is 9.8 N/kg.

3 Voltage

Worked example

There is a current of 0.2 A through a component when a potential difference of 4 V is across it. What is the resistance of the component?

$$R = V/I$$

$$= 4 / 0.2$$

$$= 20 \Omega$$

Know >

- 1 For each pair of materials, state which is the better conductor.

a) wood, silver	d) graphite, silver
b) copper, iron	e) copper, wood.
c) plastic, graphite	

Apply >>

- 2 Copper wire has a low resistance, but silver is an even better conductor. Why don't we often use silver in electrical cables? What other characteristics of copper are important?
- 3 Hannah's hand slips and connects two wires with a potential difference of 5000 V. A current of 0.005 A flows. What is her resistance?
- 4 Work out the missing value in each line of the table.

Resistance of component X (Ω)	Resistance of component Y (Ω)	Resistance of component Z (Ω)
450	700	450
	350	1200
120	240	800

Extend >>>

- 5 Graham is asked to work out the resistance of a mystery component. Draw the circuit he would need to build, including any meters.

Practice

Question 1.

Which is the better conductor?

- a) silver
- b) Copper or iron? Copper - used in wiring as it's a better electrical conductor!
- c) ?

Key words

Know >

- 1 Name the force that keeps the International Space Station orbiting the Earth.
- 2 What two things do you need to know to calculate the weight of an apple?
- 3 How would the gravitational field strength on the surface of the

Note-taking Frameworks

At Seven Springs Education, we recognise that it is crucial for students to make comprehensive notes during lessons to help them **revise** the material and **catch up** on missed learning. To ensure that all students have detailed notes from their online lessons, tutors consistently draw students' attention to key information and encourage them to make notes in a manner that suits their learning styles.

For every lesson, tutors prepare a dedicated note-taking framework that guides students through the lesson materials and shows them the key points to focus on. Note-taking frameworks are also a great tool for school teachers to review in order to understand the content and questions students have covered during their online lessons.

Our note-taking frameworks are prepared by tutors with **extensive teaching experience** and **high levels of subject knowledge** (for example, GCSE tutors have degrees in the subject they teach). They use their detailed knowledge of the subject and their dynamic teaching styles to design note-taking frameworks that:

- are **engaging and accessible** for students of all abilities
- are **adaptable** to accommodate a range of learning and note-taking styles
- ensure **core areas are highlighted** and retained, which is particularly beneficial for EAL students, who can struggle to select and condense ideas into their own words
- are **perfect for future revision** and retention of subject knowledge.

The note-taking skills developed in these lessons help students beyond their tuition block and build up learning habits for long-term success.

Science_Greenleaf High Yr 7_Speed

Learning Objectives

- Learn the equation for calculating speed
- Learn how to draw and read distance-time graphs
- Learn about how to perform an experiment to measure acceleration and compare speeds
- Learn and understand relative speed

What do you know about...?

moving slower
deceleration
moving faster
acceleration
gravity acting on apple
external forces
hand moving pen
velocity
rate of change
Newton's 3 laws of motion

How do objects move when acted on by an external force?

Key formula, fact or piece of information for the lesson:

Average Speed = $\frac{\text{Distance Travelled}}{\text{Time Taken}}$

or

Speed = $\frac{\text{Distance}}{\text{time}}$

m/s

m

s

Science_Greenleaf High Yr 7_Speed

Questions on Calculating Average Speed (Page 12)

1. Speed = $\frac{\text{distance}}{\text{time}}$ distance = 10m time = 10s
 $\frac{10\text{m}}{10\text{s}} = 1\text{m/s}$
2. Speed = $\frac{\text{distance}}{\text{time}}$ distance = 20m time = 30s
 $\frac{20\text{m}}{30\text{s}} = 0.6667\text{m/s}$
3. Speed = $\frac{\text{distance}}{\text{time}}$ distance = 100m time = 60s (1min)
 $\frac{100\text{m}}{60\text{s}} = 1.6667\text{m/s}$

Class Discussion About How to Perform The Experiment on Page 12 With a Toy Car Moving Down a Ramp

What equipment would you use?

- stop watch
- wooden ramp
- toy car
- tape measure
- Data Table

What would you measure?

- The slope of the ramp
- The time the car took to travel down the ramp

How would you measure this?

- Measure slope using the tape measure. Measure its 'run' and its 'rise'. Calculate $\frac{\text{rise}}{\text{run}} \times 100$ for slope as %.
- Use stop watch to measure the time it takes the car to travel down the slope.

What is your hypothesis?

- My hypothesis is that the steeper the slope of the ramp, the quicker the car will travel down it.



Assessments

We offer a variety of unique **online, auto-marked assessments** for English, Maths and Science, which can be used by schools to assess students' levels of attainment and identify knowledge gaps prior to enrolling them in one of our courses.

Our tutors also use pre-intervention, interval, and post-intervention assessments to ensure that students are making progress during their 15 hours of NTP online tuition.

Online quizzes for a full range of topics are available in English, Maths and Science, including GCSE topics. Schools have the flexibility to choose to assess a small number of topics in detail or test students' broad knowledge across a subject.

All assessments are completed outside of online lessons to ensure that students get the maximum amount of learning time. They are completed online and marked automatically to ensure no additional work is created for you school's class teachers.

Pre-intervention Assessment

These assessments are available to help schools gauge the current levels of their students and enrol them in the most suitable courses. The results of these tests are shared with the school and the School Liason. They also serve as a benchmark against which to measure the impact of tuition.

Post-intervention Assessment

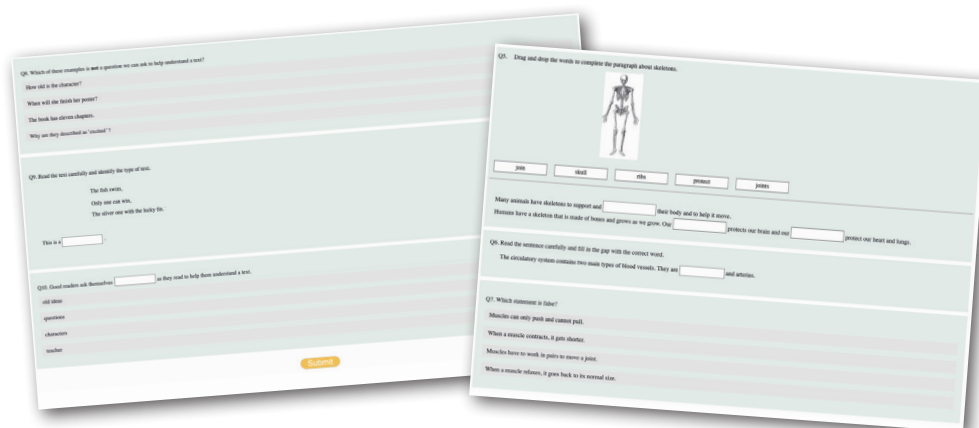
These tests are used by our tutors to assess students' progress and evaluate the success of online tutoring in helping the student fulfil learning objectives. The results of these tests are shared with the students' school to highlight progress as well as areas for further improvement.

Lesson 1

Lesson 15

Interval Assessment

These assessments are used by our tutors to track students' improvement and identify areas where revision is required. The results of these tests are shared with the school through the dedicated School Portal.



Tailored Education Packages

Our tailored education packages allow schools the **freedom and flexibility** to choose which kinds of support students receive during their 15 hours of subsidised tuition. Schools can choose from a variety of topics in English, Maths or Science to create a bespoke learning plan for their students.

Our School Liaisons work closely with schools to develop bespoke learning plans suited to students' academic needs and timetables. Our School Liaisons are highly experienced in education and have extensive knowledge of the National Curriculum. They ensure that all teaching materials and lesson plans align with the school's syllabus and examination boards. School Liaisons carefully review students' pre-intervention assessment results and school work and make recommendations on the topics online classes should focus on.

Once the school is satisfied with the learning plan, the School Liaison introduces them to one of our highly-qualified tutors. All our tutors are experienced professional tutors or qualified teachers who know the expectations and requirements of the National Curriculum. Our GCSE tutors also all have a degree from a top ranking university in the subject they are teaching.

Working with Seven Springs Education:



Contact us or select us as your chosen provider on the NTP Tuition Hub.



Seven Springs Education appoints a **dedicated and trusted point of contact** who is available via phone, email or Zoom to discuss your school and students' needs.



The Seven Springs Education team works with your school teachers to identify students who require additional support and establish the quantity and type of support they require.



Our team works with your school teachers to create timetables and schedule online classes.



Teaching begins! Teachers **receive student feedback and reports** from tutors during and after teaching.



Receive pre-, mid- and post-intervention assessments and review our provision. Feedback from schools allows us to achieve better outcomes and support student needs.



English

We give schools the flexibility to create a learning plan and timetable that suits the needs of their students. For English, schools have total control over what topics students learn and how many hours of online tuition they receive for each topic. Schools can choose to cover topics from one year or from a variety of years during their 15 hours of subsidised tuition. We offer **Depth** learning packages designed for students who are struggling with a few specific topics and require intensive support, as well as **Breadth** packages that are suited to students who need more general support in multiple topics.

Topics

Year 7	Fiction (Reading)
	Non-fiction (Reading)
	Poetry (Reading)
	Writing
	Grammar & Vocabulary
Year 8	Fiction (Reading)
	Non-fiction (Reading)
	Poetry (Reading)
	Writing
	Grammar & Vocabulary
Year 9	Fiction (Reading)
	Non-fiction (Reading)
	Poetry (Reading)
	Writing
	Grammar & Vocabulary
GCSE (Year 10 & 11)	Language Reading
	Language Writing
	Literature Poetry
	Literature Prose
	Literature Drama (+ Shakespeare)

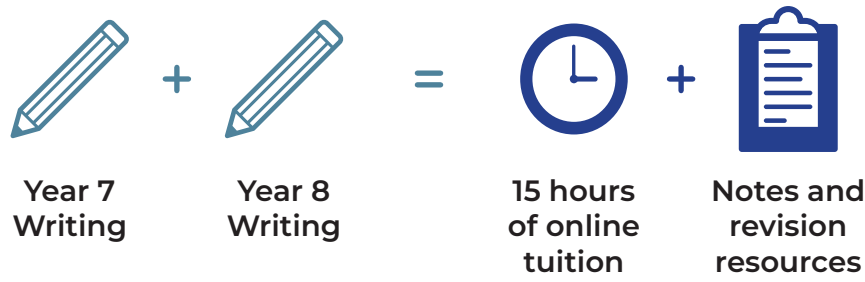


Depth Package

This package provides in-depth tuition and practice for students who are struggling with a challenging topic. The topic they are struggling with could be something from this year or from a previous year. This package is ideal for students who are struggling to grasp particular concepts or ideas and require intensive support to help to close the attainment gap between them and their peers.

Example:

Year 8: Writing Focus

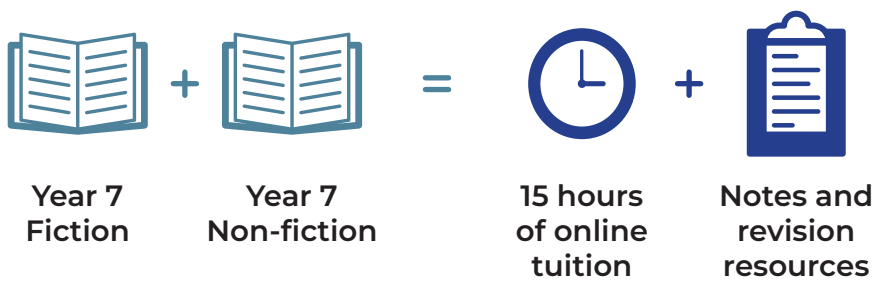


Breadth Package

This package provides support for students in a variety of topics. This package is best suited to students who have grasped the foundational concepts, but have not kept up with peers this year and would benefit from a boost.

Example:

Year 7





Maths

We give schools the flexibility to create a learning plan and timetable that suits the needs of their students. For Maths, schools have total control over what topics students learn and how many hours of online tuition they receive for each topic. Schools can choose to cover topics from one year or from a variety of years during their 15 hours of subsidised tuition. We offer **Depth** learning packages designed for students who are struggling with a few specific topics and require intensive support, as well as **Breadth** packages that are suited to students who need more general support in multiple topics.

Topics

Year 7	Algebra
	Geometry and Measures (Angles)
	Number (Division, Place Value, Prime Numbers, Factors)
	Probability
	Ratio, Proportion and Rates of Change
	Statistics (Frequency Tables, Bar Charts, Pie Charts, Pictograms)
Year 8	Algebra (Substitution, Collecting Like Terms, Solving Equations)
	Geometry and Measures (Area, Perimeters, Compound Shapes)
	Number (Place Value, Decimals, Factors, Multiples and Primes)
	Probability, Fractions, Percentages
	Ratio, Proportion and Rates of Change
	Statistics



Year 9	Algebra (Substitution, Collecting Like Terms, Solving Equations)
	Geometry and Measures (Area, Perimeters, Compound Shapes)
	Number (Place Value, Decimals, Factors, Multiples, Primes Roots)
	Ratio, Proportion and Rates of Change
	Probability, Fractions, Percentages
	Statistics
GCSE (Year 10 & 11)	Algebra (Notation, vocabulary and manipulation, Graphs, Solving equations and inequalities, Sequences)
	Geometry and Measures (Properties and constructions, Mensuration and calculation, Vectors)
	Number (Structure and calculation, Fractions, decimals and percentages, Measures and accuracy)
	Probability
	Ratio, Proportion and Rates of Change
	Statistics (Scatter Graphs, Box Plots, Quartiles and Interquartile Range)

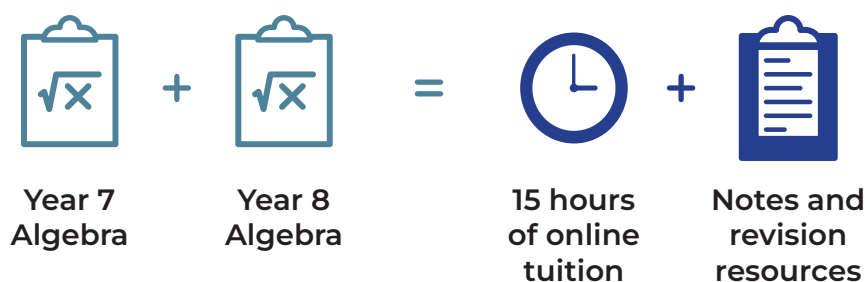


Depth Package

This package provides in-depth tuition and practice for students who are struggling with a challenging topic. The topic they are struggling with could be something from this year or from a previous year. This package is ideal for students who are struggling to grasp particular concepts or ideas and require intensive support to help to close the attainment gap between them and their peers.

Example:

Year 8

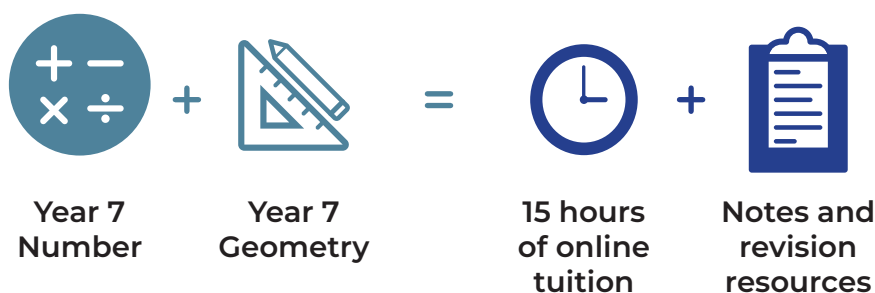


Breadth Package

This package provides support for students in a variety of topics. This package is best suited to students who have grasped the foundational concepts, but are lacking knowledge or skill in a variety of topics.

Example:

Year 7





Science

We give schools the flexibility to create a learning plan and timetable that suits the needs of their students. For Science, schools have total control over what topics students learn and how many hours of online tuition they receive for each topic. Schools can choose to cover topics from one year or from a variety of years during their 15 hours of subsidised tuition. We offer **Depth** learning packages designed for students who are struggling with a few specific topics and require intensive support, as well as **Breadth** packages that are suited to students who need more general support in multiple topics.

Topics

	Biology	Chemistry	Physics
Year 7	Genetics and Evolution	Chemical Reactions	Energy
	Interactions and Interdependencies	Pure and Impure Substances	Space Physics
	Structure and Function of Living Organisms	Earth and Atmosphere	Matter
	Material Cycles and Energy	The Periodic Table	Electricity and Electromagnetism
			Motion and Forces
Year 8	Material Cycles and Energy	Atoms, Elements and Compounds	Energy
	Structure and Function of Living Organisms	Earth and Atmosphere	Waves
	Interactions and Interdependencies	Pure and Impure Substances	Motion and Forces
		The Particulate Nature of Matter	
		The Periodic Table	
		Materials	



	Biology	Chemistry	Physics
Year 9	Interactions and Interdependencies	Chemical Reactions	Motion and Forces
	Material Cycles and Energy	Earth and Atmosphere	Electricity and Electromagnetism
	Structure and Function of Living Organisms	Materials	Space Physics
		The Periodic Table	
		The Particulate Nature of Matter	
		Energetics	
GCSE (Combined Science AQA Trilogy)	Bioenergetics	Atomic Structure and the Periodic Table	Energy
	Cell Biology	Bonding, Structure and the Properties of Matter	Electricity
	Ecology	Quantitative Chemistry	Particle Model of Matter
	Homeostasis and Response	Chemical Changes	Atomic Structure
	Infection and Response	Energy Changes	Forces
	Inheritance, Variance and Evolution	The Rate and Extent of Chemical Change	Waves
	Organisation	Organic Chemistry	Magnetism and Electromagnetism
		Chemistry of the Atmosphere	
		Using Resources	



Depth Package

This package provides in-depth tuition and practice for students who are struggling with a challenging topic. The topic they are struggling with could be something from this year or from a previous year. This package is ideal for students who are struggling to grasp particular concepts or ideas and require intensive support to help to close the attainment gap between them and their peers.

Example:

Year 8



Breadth Package

This package provides support for students in a variety of topics. This package is best suited to students who have grasped the foundational concepts, but are lacking knowledge or skill in a variety of topics.

Example:

Year 8





07392013379



school@seven-springs.co.uk



[@sevenspringseducation](https://www.instagram.com/sevenspringseducation)



[@SevenSpringsEdu](https://twitter.com/SevenSpringsEdu)



[@sevenspringsedu](https://www.facebook.com/sevenspringsedu)



www.linkedin.com/company/seven-springs-education