

iLS



Pearson
Edexcel

*Pearson Edexcel
iLowerSecondary -
a guide for schools*

Welcome

Welcome to Pearson, the world's leading learning company and the UK's largest awarding body. We have a simple mission: to help make a measurable impact on improving people's lives through learning.

Introducing Pearson Edexcel iLowerSecondary

This guide will provide an introduction to iLowerSecondary - our new one-stop international curriculum in English, Mathematics, Science, Computing and Citizenship for 11 to 14 year olds.

iLowerSecondary at a glance:

- Based on the latest English National Curriculum (2014), with an international approach
- Written with learners of English as an additional language (EAL) in mind
- Face-to-face teacher training and online Professional Development support included
- Full Schemes of Work provided for all years and every unit of content exemplified
- Mapped to internationally-renowned Pearson resources, such as KS3 Maths Progress and Exploring Science
- Internal and external progress tests for international benchmarking.



Seamless progression from ages 3 to 19

Pearson Edexcel iLowerSecondary is part of iProgress, our complete series for international schools.

The iProgress family includes iPrimary, iLowerSecondary, International GCSE (IG) and International Advanced Level (IAL), and delivers a seamless and consistent learning journey for students and teachers, everywhere in the world.



Foundation for future success

Based on the UK curriculum but designed with a global outlook, iProgress opens the doors of the best universities in all parts of the world and equips learners to thrive in an ever-changing global economy.

More than just a curriculum or qualification suite

With professional development training that keeps teachers up to date with the latest educational practices, supporting materials that make planning and teaching lessons easier, and student textbooks and online resources, you'll have more time to focus on the individual development of your students' progress.

Principles for progress

Our pedagogical experts have identified ten principles that will give students the best opportunity to develop along their learning journey. These aren't just theoretical concepts, but practical ideas that every teacher can incorporate in their lessons. More information is included in the teacher's guides that accompany the programmes.

In addition to the ten principles, formative assessment underpins and runs through every aspect of the programme. Knowing the students' starting point, understanding their learning and reflecting on their development helps to ensure progress for all.

The Ten Principles

- 1 Engaging everyone** includes techniques for ensuring that all students are involved in the lesson and participate in discussion, including whole-class question-and-answer sessions.
- 2 Differentiation** provides ideas for adapting your teaching to ensure that all students can access the learning according to their level and achieve good outcomes. These techniques also convey the importance of having high expectations of all students.
- 3 Enabling independent learning** outlines ways of supporting your students to 'have a go' and not to be put off by challenging ideas or tasks. It also provides techniques for helping all students take more responsibility for their own progress.
- 4 Effective questioning** offers practical tips for asking questions that make students think. It outlines question types (for example, closed, open, factual, conceptual, probing, discussion) and provides examples of each.
- 5 Teacher talk** is important and we provide ideas to make it as effective as possible with ways of engaging your students as you introduce new content and explain activities.
- 6 Collaborative activities** are vital for growing student skills, and we provide practical ideas for grouping students and ensuring that group work is really focused and productive. We also outline ways of developing student ownership of their learning and the ways in which group work can build confidence too.
- 7 Teacher demonstration** is focused on how to conduct effective teacher demonstrations and how you can model important learning behaviours too.
- 8 Developing thinking skills** highlights ways in which you can encourage your students' abilities to think critically, to problem-solve and to carry out their own mini inquiries.
- 9 Reflecting on learning** is about getting students to think constructively about their own learning and to take control over how to make better progress.
- 10 Feedback (in both directions)** offers practical ideas for conducting good two-way feedback between you and your students in order to improve learning and achievement.

Subject overview - English

The iLowerSecondary English curriculum contains two main strands, with each split into sub-strands. Speaking and Listening skills are woven throughout the objectives to support learning.

The curriculum promotes engagement and enjoyment while ensuring students are well placed to achieve highly in later examinations.

The strands and sub-strands are:

Reading

- Reading for Meaning
- Responding to Texts
- Text Structure
- Language Use

Writing

- Writing Processes
- Whole Text
- Language Use

The iLowerSecondary English curriculum ensures students engage with a range of text types and learn to communicate effectively in written and spoken English. It provides students with the skills and knowledge they need to access the wider curriculum and gives an excellent foundation for either first or second language International GCSEs from Year 10.



Subject overview - Mathematics

The iLowerSecondary Mathematics curriculum contains four main strands, with each split into sub-strands. The curriculum promotes engagement and enjoyment while ensuring students are well placed to achieve highly in later examinations.

The strands and sub-strands are:

Number

- Integers
- Fractions and Decimals
- Percentages
- Calculation Skills
- Ratio and Proportion
- Standard Form (Year 9)

Algebra

- Expressions and Formulae
- Sequences
- Graphs
- Equations (from Year 8)
- Inequalities (Year 9)

Geometry and Measure

- Measure
- Angles
- Polygons
- Symmetry
- Transformations
- Constructions (Year 9)
- Congruence and Similarity (Year 9)
- Pythagoras' Theorem and Trigonometry (Year 9)

Statistics

- Data
- Charts and Diagrams
- Probability

The curriculum is designed to ensure that key Mathematics skills are properly embedded and that students are secure in their understanding of the concepts needed to be strong mathematicians. Developed with the needs of EAL learners in mind, the iLowerSecondary Mathematics curriculum gives an excellent platform for later learning and ensures students are well prepared for their International GCSEs learning from Year 10.



Subject overview - Science

The iLowerSecondary Science curriculum contains four main strands, with each split into topic areas. The curriculum promotes engagement and enjoyment while ensuring students are well placed to achieve highly in later examinations.

Scientific Enquiry

Biology

Chemistry

Physics

Scientific enquiry is embedded within the other three strands and students are encouraged to take an engaged and investigative approach to their learning.

Developed with the needs of EAL learners in mind, the iLowerSecondary Science curriculum gives an excellent platform for later learning and ensures students are well prepared for their International GCSEs learning from Year 10.

“

What we want from adopting an external curriculum is a consistent line that keeps everyone teaching the same things throughout the year and from year to year.”

Graham Thompson -
Southlands International School,
Rome

Subject Overview - Computing

Our Computing programme has been developed in conjunction with leading education and industry experts to ensure that the skills being developed at primary and lower secondary level prepare students for International GCSE and beyond.

This programme is structured around the 4 cornerstones of computational thinking:

decomposition

pattern
recognition

abstraction

algorithm
design

It will equip students to:



Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.



Analyse problems in computational terms, write computer programmes, evaluate and apply information technology and solve problems.



Be responsible, competent, confident and creative users of information and communication technology.



Subject overview - Global Citizenship

Prepare your students to be global citizens

Part of the only fully integrated Global Citizenship programme for students aged 5–16. iLower Secondary Global Citizenship provides curriculum support, assessment, teaching and learning resources and qualifications for your 11–14 year olds.

- Gives a firm foundation in Global Citizenship to ensure that your youngest learners start their journey with the skills and knowledge they need to progress
- Provides a consistent learning journey and supports students' progress with ongoing assessment and external examinations at the end of Year 6/ages 10–11
- Curriculum-matched teaching and learning resources, available as print and online. Designed for international students, with exam preparation and practice included
- Supported by world-class services including teacher training and professional development support, exam preparation and analysis services



Professional development

Our three day face-to-face professional development programme has been designed to fully equip teachers with an understanding of the components of iLowerSecondary, as well as key teaching and learning strategies to help them implement the curriculum effectively and confidently in their classrooms.

Sessions

Our professional development programme is divided into modular sessions that provide three different areas of support:

1. iLowerSecondary Orientation

These sessions provide information and hands-on practice using different elements of the programme. They include an exploration of iPLS assessments and orientation to two online learning platforms, ActiveLearn Primary (ALP) and ActiveLearn Digital Service (ALDS).

2. Model Lessons

On each of the three days, teachers will participate in sample lessons taken directly from the new curriculum. Each day will highlight a different subject area and teachers will have opportunities to discuss and analyse the lessons together with their facilitator.

3. Teaching and Learning Strategies

Teachers will also engage with key teaching and learning strategies for the following:

- Active Learning: strategies that focus on student-centred activities that allow students to construct knowledge and meaning
- Formative Assessment: strategies for assessing where students are in their learning and using the results to adjust instruction
- Critical Thinking: strategies for promoting students' critical thinking skills, such as evaluating, comparing and questioning

Teachers will learn and practise a variety of strategies that they will be able to apply directly to their classrooms. Additional teaching and learning strategies will be offered in future to further build classroom skills.

Three-day Professional Development Schedule

The table below presents a possible sequence of professional learning, which can be adapted to suit the needs of the schools attending.

Day 1	Day 2	Day 3
Orientation	Model Maths Lesson	Critical Thinking
Model English Lesson	Formative Assessment	Model Science Lesson
Active Learning	Overview of Assessment	ALP/ALDS Demonstration and Action Planning/Wrap-Up

There will also be Handbooks for school coordinators to provide guidance on ways to support implementation, including:

- sample application tasks for activities
- templates for coaching observation, and collaboration sessions.

Resources for the new curriculum

Our experts have fully mapped our world-renowned published resources* to the iLowerSecondary learning objectives from years 7 to 9, so that you can start teaching straight away, with the peace of mind that you have all you need.

The online components are available through ActiveLearn.

Inspire English International

Providing literacy skills for students to become confident, self-motivated learners. A whole school programme for teaching the English National Curriculum and the Pearson iLowerSecondary Curriculum to 11–14 year-olds.



Learn more at

pearsoninternational-schools.com/inspireenglishinternational

Maths Progress International

This blended programme has additional printed components, unique interactive schemes of work and seamless progression to Pearson Edexcel International GCSE 9–1 Maths.

The logo for Maths Progress International 11–14, featuring a colorful bar above the text 'Maths Progress International 11–14' in a purple box.

Maths Progress
International 11–14

Learn more at

pearsoninternational-schools.com/mathsprogressinternational

Exploring Science International

Our best-selling KS3 Science Programme just got even better for students preparing for International GCSE (9–1) Science.

The logo for Exploring Science International 11–14, featuring the text 'EXPLORING SCIENCE INTERNATIONAL 11-14' in a bold, black, sans-serif font.

**EXPLORING
SCIENCE**
INTERNATIONAL 11-14

Learn more at

pearsoninternational-schools.com/exploringscienceinternational

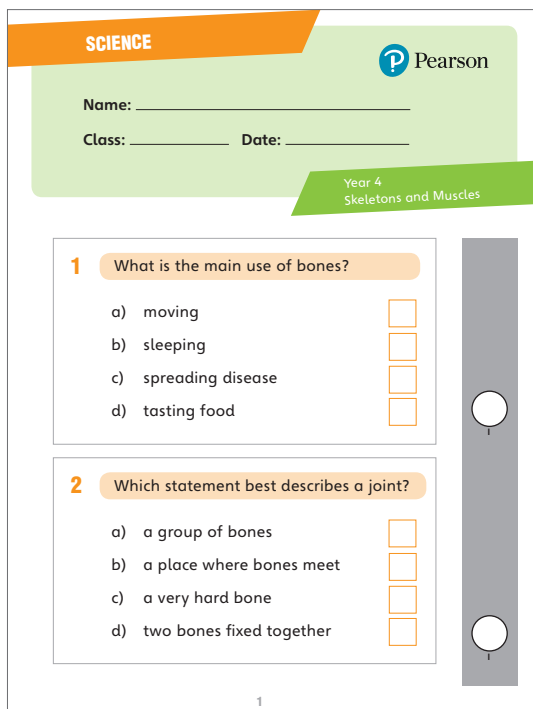
For more information, please take a look at our guide to fully mapped resources at: pearsoninternational-schools.com/ilowersecondary or see our [Resources guide](#)

*Pearson highly recommends, but does not mandate, the use of our resources for teaching the iPrimary and iLowerSecondary curriculum.

Internal and external assessment

Measure your students' learning with built-in internal Progress Tests and external, internationally benchmarked Achievement Tests.

Our content and assessment has been developed in collaboration across all three subjects to ensure as a seamless progression from iPrimary to iLowerSecondary and a consistent approach across the whole Pearson Edexcel iProgress programme.



Progress Tests

Progress Tests are internally administered and marked assessments that are included as part of the programme. These tests are updated every year to provide new tests for all students as well as an ever-increasing bank of questions for teachers.

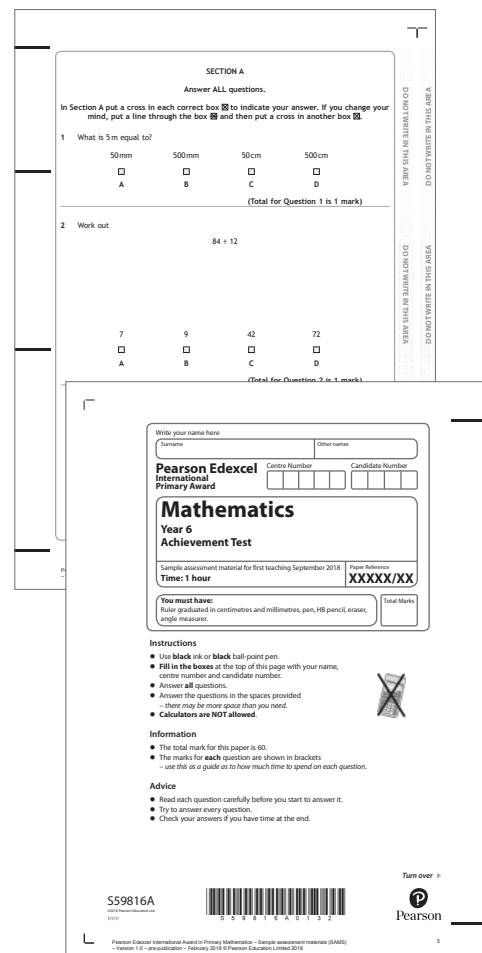
Progress Tests are included for every topic (in Science) or half term (in Mathematics and English), as well as a full, summative end-of-year test for each year group in the programme.

Achievement Tests

Achievement Tests are assessments that are externally administered and marked by Pearson Edexcel, and are available at the end of iPrimary (in Year 6 / age 11) and iLowerSecondary (in Year 9 / age 14).

These tests provide the ideal opportunity both to check the learning of students at the end of each key stage, and to provide a qualification that is internationally benchmarked against students around the world.

Additionally, there is a wealth of assessment analysis and support through our ResultsPlus service. **ResultsPlus** provides the most detailed analysis available of your students' exam performance, and can help you to identify the topics and skills where further learning would benefit your students.



Start teaching iLowerSecondary

8 reasons to contact us today

- ✓ An international curriculum
- ✓ Full Schemes of Work and Lesson Plans
- ✓ Comprehensive teacher support
- ✓ Professional development
- ✓ Foundation for future success
- ✓ Internal and external assessment
- ✓ Mapped to internationally-renowned resources
- ✓ Seamless progression to International GCSE and beyond

Next steps



Learn more about iLowerSecondary at:
pearsoninternational-schools.com/ilowersecondary



Contact your local representative to sign up or find out more -
pearson.com/international-schools/contact-us



Attend one of our launch events in your region -
qualifications.pearson.com/training



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