Pearson Edexcel iPrimary is not just a curriculum, but a complete teaching toolkit.

As well as the English, Mathematics and Science curricula, developed specifically for the international student, a complete suite of teaching support is included as part of the whole-school package. Exemplar schemes of work, units of work and lesson plans are included for all year groups in addition to fully integrated internal (Progress Tests) and external (Year Six Achievement Tests) assessment, all created through Pearson Edexcel's World Class Qualifications framework.

In addition, a comprehensive programme of Professional Development support is available face-to-face, via webinar, and as part of our community forum, and the whole teaching and learning solution is supported by Pearson’s world-renowned teaching resources such as Bug Club, Science Bug and Abacus.

The iPrimary curriculum is organised into six year groups, each building on the knowledge and skills of the last. Each provides comprehensive learning objectives that ensure clear targets and progression for students. For iPrimary Science, the 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. The strands are:

- **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. The iPrimary Science curriculum gives an excellent platform for later learning and ensures students are prepared for the challenges ahead of them.

On the following pages are examples of objectives from the iPrimary Science curriculum. These cover a range of Biology topics for Years 2, 4 and 6.
Year 2

Biology: Health and Growth

• Understand that humans need the correct amounts of water and food to stay alive
• Understand that there are many types of food and humans may have different diets
• Understand what is meant by a balanced diet
• Know the main food groups and be able to categorise food by type
• Understand the need for exercise to stay healthy
• Understand that human and animal offspring need differing types and amounts of parental care while they are growing
• Understand that personal and food hygiene is important to maintain health
• Understand why humans take medicines and recognise hazards associated with taking and storing medicines

Year 4

Biology: Skeleton and Muscles

• Understand that humans have internal skeletons that provide support and protection and allow movement
• Identify and locate the skull and rib cage and understand their function in protecting vital organs
• Understand the term joint as a place where bones meet and describe the extent of movement of a variety of joints
• Understand the terms contract and relax in relation to antagonistic muscle action resulting in movement
• Know that bones are important for producing blood cells
• Explain the importance of exercise and diet in maintaining healthy muscles and bones

Year 6

Biology: Heart, Lungs and Circulation

• Describe the heart as an organ that pumps blood as part of the circulatory system
• Understand that water and nutrients are transported around our bodies in blood
• Describe the circulatory system as comprising the heart and blood vessels containing blood
• Understand how pulse rate changes with exercise and explain the reason for the change in terms of transporting oxygen and nutrients to muscles
• Describe the lungs as being located in the thorax and as the organs used for breathing
• Understand that air is a mixture of gases, including oxygen
• Understand that blood picks up oxygen from the lungs and transports it through blood vessels to organs of the body
• Distinguish between and correctly use the terms breathing (ventilation of the lungs) and respiration (how oxygen is used by the body once it reaches organs)

Accessing the full programme for iPrimary

Only registered iPrimary centres will be able to access the full programme.
If you are not an iPrimary centre and would like find out more then complete our Expression of Interest form on the Pearson Edexcel website.