



East-West International School

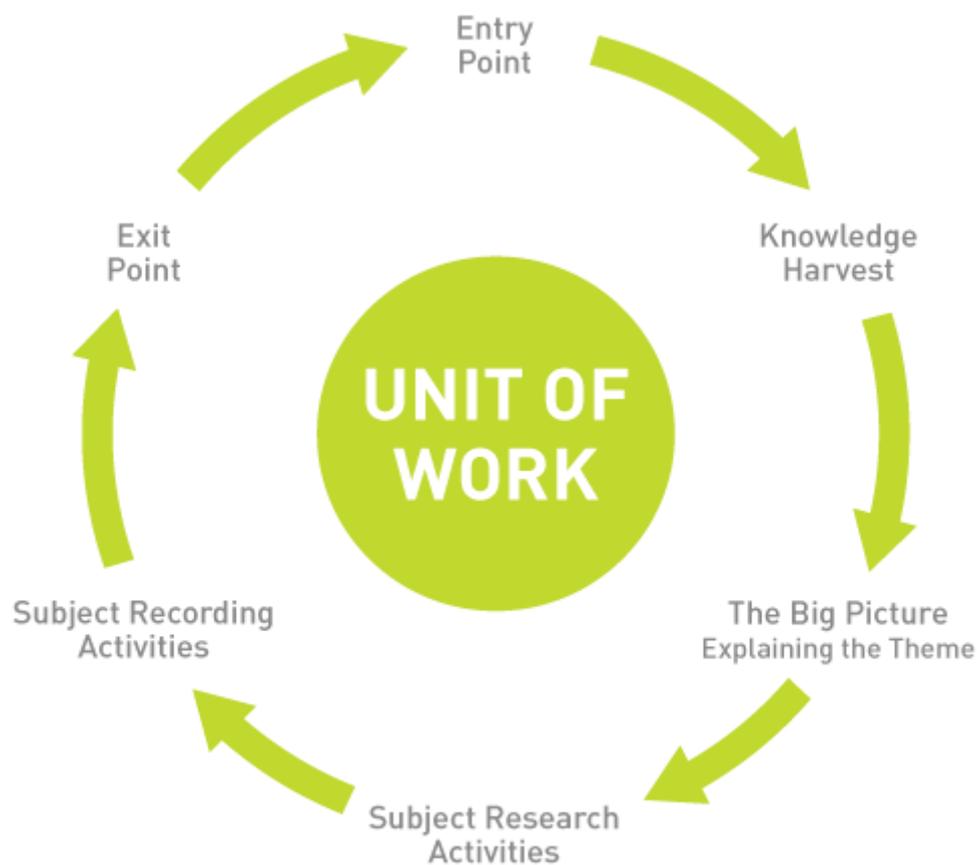
International Primary Curriculum



The International Primary Curriculum (IPC) is a comprehensive curriculum with a clear process of learning and with specific learning goals for every subject, for personal learning and for international mindedness. The IPC is now the curriculum choice of international and national schools in over 1,800 schools in over 90 countries around the world.

At East-West International School we use both English and Khmer languages when teaching the IPC, helping children to learn content vocabulary in both languages. The IPC curriculum has three levels. At East-West we teach Milepost 1 units in Kindergarten and Grade 1, Milepost 2 units in Grades 2 and 3, and Milepost 3 units in Grades 4 and 5.

Each unit follows the same process of learning.



More detailed information on the International Primary Curriculum can be found at <http://www.greatlearning.com/ipc/>.

Following is a description of the units taught at East-West International School in 2017-2018.

These are not in the order of teaching. Teachers will tell you when they are about to start a new unit.

Grade 5	
Brainwave	<p>The Big Idea Every day we are learning lots of new and different things - gaining the knowledge, skills and understanding that we will need to become successful adults. By finding out more about how we learn, and how we can improve our learning, we will be better equipped for meeting the many challenges ahead of us.</p> <p>We'll be finding out:</p> <ul style="list-style-type: none">• About different methods of teaching and how we like to learn• About some of the different areas of the brain• How information gets into the brain• How relaxation can help prepare us for learning• How we can improve our memory• How positive thinking can help us to succeed• How we can support each other to achieve our goals• How we can become more active global citizens
Roots, shoots, and fruits	<p>The Big Idea: Plants have lived on Earth for over 400 million years. Some plants in our gardens today were around at the same time as the dinosaurs. Why have plants been so successful? Let's find out...</p> <p>In Science, we'll be finding out:</p> <ul style="list-style-type: none">• What plants grow in our local area• How to sort and group plants• What the parts of a plant are• The function of roots• What plants need in order to grow• How flowers attract insects• How plants reproduce• How seeds are spread <p>In Technology, we'll be finding out:</p> <ul style="list-style-type: none">• How to make a seed disperser <p>In Geography, we'll be finding out:</p> <ul style="list-style-type: none">• About the tallest plants in the world <p>In International, we'll be finding out:</p> <ul style="list-style-type: none">• Why we need to save rainforest plants• If eating more plants could make a difference to the world

Grade 5

What a wonderful world

The Big Idea: Natural forces have been shaping our planet for many billions of years and these dramatic changes are still going on, right now, all around us.

Throughout this unit we will be learning more about the physical processes that shape our planet - and the vital role that we play in safeguarding our planet and its resources for future generations.

In Geography, we'll be finding out:

- About different regions and environments around the world
- How to use different types of map to find out information
- About the forces and processes that shape our planet
- About extreme weather events and how they affect people and localities
- About the possible causes of climate change and its effects on our planet
- How man-made changes can alter/change our local environment

In ICT & Computing, we'll be finding out:

- How to program an online quiz to test our knowledge of biomes

In Science, we'll be finding out:

- How to classify different types of rock and soil
- About the effects of weathering on different types of rock
- About the movements of the Earth, Sun and Moon and how they affect us
- About different types of cloud and how they are formed
- How we can set up a weather station and record data

In International, we'll be finding out:

- About local and global environmental issues
- How different international aid groups and charities are helping those affected by environmental issues

Growing up

The Big Idea: As we grow-up, we need to understand our bodies and the changes that will happen, both on the inside and the outside, as we prepare to enter into adulthood.

In Science, we'll be finding out:

- How male and female bodies grow and develop
- About the changes that take place during puberty for boys and girls
- How humans reproduce
- How a baby develops inside its mother
- About different methods of contraception
- About sexually transmitted infections

In Society, we'll be finding out:

- About different types of relationship
- About the personal and social factors that can influence our lifestyle decisions
- About love and what it means to different relationships

In International, we'll be finding out:

- About different views that some cultures and countries have about growing up

Grade 5

Mission to Mars

The Big Idea: One day, humans may need to leave Earth and settle on another planet. Mars is our most likely destination - a world that we believe once harboured life and, with our intervention, may do so again in the future.

In Science, we'll be finding out:

- About the planets in our solar system
- About mass and weight, and the effects of gravity
- How to grow seeds and plants, and choose those that will be suitable for Mars
- How to identify a living organism
- About different energy sources
- About different forces and their effects
- How to choose the best energy source/s for our Mars shelter

In Geography, we'll be finding out:

- About the geographical features of Mars
- How we can prove that there was once water on Mars

In Technology, we'll be finding out:

- About the technology that has been used to explore Mars
- How to design and make a robot to explore Mars
- How to design and make a suitable shelter for living on Mars

In History, we'll be finding out:

- About what people in the past used to think about Mars
- About the evidence to prove and disprove intelligent life on Mars

In Physical Education, we'll be finding out:

- How to ensure we are fit and healthy for our space mission
- How to plan and test our own exercises suitable for space travel

In Society, we'll be finding out:

- How to work as a team
- How to assemble a successful team for our mission to Mars

In International, we'll be finding out:

- How to write our own international rules and regulations for Mars
- About the reasons why we might one day need to live on another planet

Grade 5

Look hear

The Big Idea: Whether we are driving around in our cars, working, or relaxing at home, we are turning on lights, music, TV, radio, computers and mobile phones. We are plugged in to sound and light 24 hours a day. But what is the science behind sound and light? Let's find out!

In Science, we'll be finding out:

- How we hear sounds and see light
- How the human ear and eye works
- How sound and light waves travel
- How a string telephone works
- How we can change the pitch of sounds
- About echoes and acoustics

In Technology, we'll be finding out:

- How to make an elastic-band guitar

In Music, we'll be finding out:

- How to play our homemade instruments

In International, we'll be finding out:

- About noise and light pollution

The great, the bold and the brave

The Big Idea: The history of western civilisation begins with the Greeks and the Romans. Their expanding empires helped to spread ideas about architecture, food, entertainment, literature, science, medicine and politics across the globe. As their empires ended, other cultures rose to prominence, absorbing and passing on their own ideas and cultures - creating the world we know today.

In History, we'll be finding out:

- About the Greek city-states of Athens and Sparta
- How people voted in Athens and Sparta
- How the Persian War brought the Greek city-states together
- What the Parthenon can tell us about Athenian life
- How to perform our own Greek play
- About the life Alexander the Great and what he achieved
- Why Rome had a republic and then an emperor
- What daily life was like in Ancient Rome
- What happened when the Romans invaded another country
- Why the Roman Empire declined
- What happened when the Anglo-Saxons invaded and settled in Britain
- About the Viking invasion of Britain
- About the life and legacy of Alfred the Great
- How to use archaeological evidence to find out about the past
- About the history of Britain, from the Roman occupation to the Norman Conquest

In Music, we'll be finding out:

- How to write and perform our own Greek chorus

In Art, we'll be finding out:

- About Ancient Greek and Roman art
- How to create our own piece of art in a Greek or Roman style

In International, we'll be finding out:

- About the effects of invasion on countries around the world

Grade 5

New materials

The Big Idea: We are surrounded by amazing materials that can be shaped, combined, condensed, frozen, melted and burned. In this unit, we are going to experiment with different kinds of materials, and become cooks, chemists and creators of new materials.

In Science, we'll be finding out:

- About the chemistry of cooking
- What happens when we dissolve or melt things
- About gases and what they are
- About different materials used in the kitchen
- About conductors and insulators
- About magnetic materials and their uses
- How to separate mixtures by sieving, filtering and evaporating

In Technology, we'll be finding out:

- How to make our own clay
- How glass is made
- How to create a brand new material

In History, we'll be finding out:

- About the importance of bronze, iron and clay
- About wax, papyrus and paper

In Art, we'll be finding out:

- How artists use different materials in their work
- How to choose materials to express an idea

In International, we'll be finding out:

- How different countries work together to invent new materials