



Year 5 Term 3 2018/19

NEXUS

INTERNATIONAL
— SCHOOL —

MALAYSIA

WELCOME TO TERM 3

Hello and welcome to the third and final term of the school year! Time flies when you're having so much fun! This term we will be rigorously learning about forces, energy, and other aspects of physics through the International Primary Curriculum.

Alongside the I.P.C. we will follow the English National Curriculum for Maths (White Rose). Our Language Arts lessons will teach learners about adventurous vocabulary, grammar, and the genres of non-chronological reports and poetry. Our new I.P.C. unit is Fairgrounds.

We are looking forward to Challenge Week, Book Week, Party in the Park, Ramadan and Hari Raya, Wesak Day, and embracing all the diversity of our Nexus family.

We hope this letter gives you all the information that you need about the learning in Year 5 this term, but please contact us if you have any questions.

THE YEAR 5 TEAM



Mr. Dave 5X



Ms Rebecca 5E



Ms Karen
On Maternity Leave



Ms Debs
Inclusion Integrator



Ms Ruby
Teaching Assistant



Ms Karen 5N
5N Maternity Cover

THIS YEAR'S IPC UNITS

Here are the IPC units that we will be covering this year at a glance:

Term 1a

Brainwave

Building a Village

Term 1b

Building a Village

(continued)

Term 2

What Price

Progress?

Making New

Materials

Term 3

Fairgrounds



Fairgrounds

Fairground rides are designed to thrill our senses, through fear, excitement and the unexpected. But how are these rides powered in a way which enables them to speed up and slow down at just the right moments, whilst being completely safe to ride on?

These mysteries will be revealed as we learn more about the science behind energy, forces, sound and light.

Why is Science important when designing a fairground?

The learning goals for this unit are on the next few pages.

The highlights of this unit are:

- ▶ Science: finding out about how forces affect our everyday lives; finding out how light and sound travel.
- ▶ Technology: finding out how people use technology in their everyday lives to solve problems.
- ▶ I.C.T.: finding out how we can use computer software to control fairground rides, and creating our own simulations.
- ▶ International: finding out about fairgrounds in our home and host countries.

Science Learning Goals

Children will:

- 3.01 Know that the study of science is concerned with investigating and understanding the animate and inanimate world around them
- 3.02a Be able to conduct scientific investigations posing scientific questions
- 3.02b Be able to choose an appropriate way to investigate a scientific issue
- 3.02c Be able to make systematic and accurate measurements from their observations
- 3.02d Be able to explain and justify their predictions, investigations, findings and conclusions
- 3.02e Be able to record and communicate their findings accurately using the most appropriate medium and the appropriate scientific vocabulary and conventions
- 3.03 Be able to gather evidence from a variety of sources
- 3.04 Be able to discriminate between evidence and opinion
- 3.05 Understand the importance of using evidence to test scientific ideas
- 3.06 Understand some of the effects of what they learn on people's lives
- 3.45 Be able to represent electrical circuits in drawings using conventional symbols
- 3.46 Be able to construct circuits on the basis of drawings using conventional symbols
- 3.47 Be able to vary an electrical circuit to change its effect
- 3.48 Know about the nature and effect of gravitational force
- 3.49 Be able to identify the effects of physical forces
- 3.50 Be able to measure forces
- 3.51 Be able to identify the direction of forces
- 3.52 Know that light travels in a straight line until it strikes an object
- 3.53 Know that light can be reflected, refracted or absorbed
- 3.54 Know that light travels through some materials and not through others
- 3.55 Know that we see things when light from them enters our eyes
- 3.56 Know how sounds are changed by altering the nature and frequency of the vibrations
- 3.57 Know that vibrations from sound sources travel through a medium to reach the ear
- 3.58 Be able to identify the effects and uses of light and sound

I.C.T. Learning Goals

Children will:

- 3.01 Know that the study of ICT and computing is concerned with applying technology to gather, use and exchange information safely and create, design and publish appropriate content
- 3.02 Know about an increasing number of ICT and computing applications for leisure, communication and work
- 3.03 Be able to use search technologies effectively when gathering and interrogating information
- 3.04 Be able to collect, interpret and present their findings
- 3.05 Be able to evaluate and check the validity of their findings
- 3.06 Be able to manipulate and combine different forms of information and data from different sources
- 3.08 Be able to use computer networks for communication and collaboration, exchanging ideas and information in different ways
- 3.09 Be able to design and write programs to accomplish specific goals, working with sequence, selection and repetition to control events
- 3.11 Be able to use I.C.T. and computing-based models and simulations, working with various inputs and outputs
- 3.12 Understand that the quality of information affects the results of any enquiry
- 3.13 Understand the importance of considering audience and purpose when presenting information
- 3.14 Understand that all aspects of I.C.T. and computing need to be used safely, respectfully and responsibly, recognizing unacceptable behaviour and reporting concerns

Technology Learning Goals

Children will:

- 3.01 Know that technology affects people's lives
- 3.02 Know how the lives of people in the host country are affected by the extent of technological advance
- 3.03 Know how the lives of people in their home country are affected by the extent of technological advance
- 3.04 Be able to respond to identified needs, wants and opportunities with informed designs and products
- 3.05 Be able to gather and use information to suggest solutions to problems
- 3.06 Be able to devise and use step-by-step plans
- 3.07 Be able to consider the needs of users when designing and making
- 3.08 Be able to select the most appropriate available tools and materials for a task
- 3.09 Be able to work with a variety of tools and materials with some accuracy
- 3.10 Be able to test and evaluate their own work and improve on it
- 3.11 Be able to investigate the way in which simple products in everyday use are designed and made and how they work
- 3.12 Be able to evaluate the effectiveness of simple products in everyday use
- 3.13 Understand the need for accurate design and working
- 3.14 Understand the ways in which technology can be used to meet needs, wants and opportunities
- 3.15 Understand that different techniques, tools and materials are needed for different tasks
- 3.16 Understand that the quality of a product depends on how well it is made and how well it meets its intended purpose

International Learning Goals

Children will:

- 3.03 Know about ways in which the lives of people in the countries they have studied affect each other
- 3.04 Know about similarities and differences between the lives of people in different countries
- 3.05 Be able to explain how the lives of people in one country or group are affected by the activities of other countries or groups
- 3.06 Be able to identify ways in which people work together for mutual benefit

LANGUAGE ARTS

In Language Arts, we will continue to use the Talk for Writing programme to help learners develop their writing skills.

The main focuses will be on non-fiction writing, and reading / writing poetry.

Each of the above units involves numerous 'short writes' where learners have the opportunity to improve their extended writing skills. In addition to this skill we will also focus on the use of grammar and punctuation, and including advanced vocabulary.

LANGUAGE AWARENESS

In Year 5, the learners have specialist lessons in handwriting, guided reading and spelling. These are core skills which we believe to be essential to the development of Language Arts skills.

We encourage learners to write using cursive handwriting and they must, at a minimum, be able to print letters neatly and correctly by the end of Year 5.

We follow the UK National Spelling Strategy to help learners with spelling and to develop a broad range of vocabulary.

WORLD CULTURES AND AGAMA

For our Muslim learners, a weekly Agama session is provided. Those learners of other beliefs will take part in World Culture sessions which allow learners to become familiar with celebrations within Malaysia and across the globe. This term we will learn about Wesak, Hari Raya and the Holy Month of Ramadan through exciting and engaging activities such as creating crafts, and researching and presenting their findings related to the topics.

STAY CONNECTED USING THE



PARENT'S APP

MATHS



We follow the Maths Curriculum for England. and Wales.

Units that we will be covering this term are:

Geometry - Properties of Shapes

Key Concepts:

Recap of key vocabulary; using protractors to measure angles; relating angles to the real world

Geometry - Position and Direction

Key Concepts:

Coordinates; vocabulary of direction; compass points; turns

Measurement - Converting Units

Key Concepts:

Connecting the correct units of measure to weight, time, length etc; practical measuring activities

Measures - Volume

Key Concepts:

Cube numbers; calculating volume; drawing visual representations of volume

Assessment

Key Concepts:

There is the end of unit White Rose assessments and the PTMs this term

Consolidation

Key Concepts:

The assessments will highlight any areas that we need to revise before the learners go into Year 6

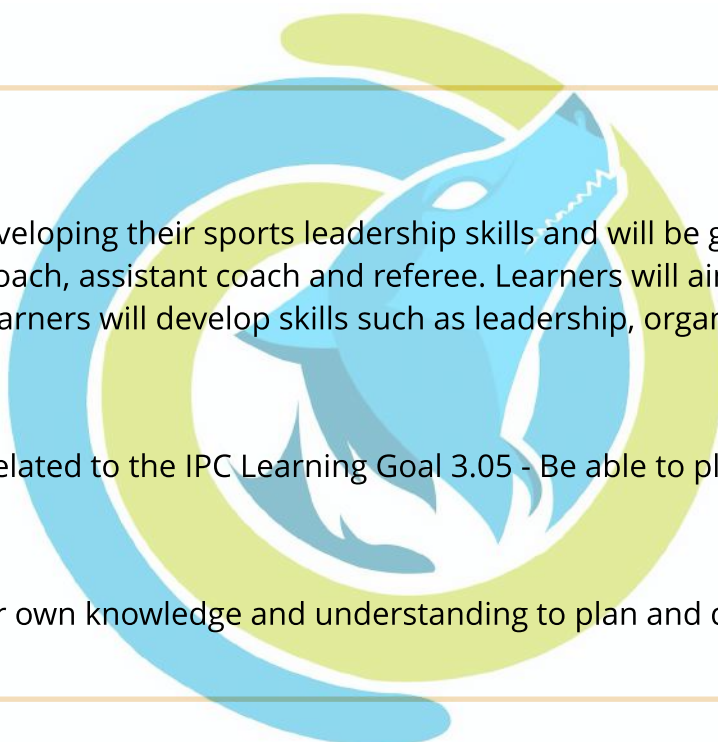
PE

Term 3

This term Year 5 will be developing their sports leadership skills and will be given the opportunity to perform roles such as coach, assistant coach and referee. Learners will aim to lead a sporting event for MP1 learners. Learners will develop skills such as leadership, organisation and collaboration.

All of the learning will be related to the IPC Learning Goal 3.05 - Be able to plan their own performance.

Learners will be using their own knowledge and understanding to plan and deliver a physical activity for others.



LANGUAGE ARTS REPORTING GOALS

These are the Language Arts Learning Goals that we will report to parents about this term:

Speaking and Listening:

- Is able to play a variety of roles in group discussions.
- Is able to use strategies and tools for making oral presentations.
- Is able to use spoken language that is appropriate to the situation and purpose.

Reading:

- Is able to retrieve information and ideas from a range of written texts.
- Is able to make connections between myself, prior knowledge and the world.
- Is able to read for different purposes.

Writing:

- Is able to write in a range of different forms for their purpose and readers.
- Is able to use a range of strategies and tools for planning, drafting and revising their writing.
- Is able to use a range of strategies to write for different purposes.
- Is able to use writing to organise thoughts, experiences and emotions, and intentions for themselves.

These are the Maths Learning Goals that we will report to parents about this term:

- Is able to add and subtract increasingly large numbers using formal written methods.
- Is able to multiply and divide up to 4-digit numbers by 2-digit numbers using written methods.
- Is able to read, write, order and compare numbers with up to 3 decimal places.
- Is able to solve 2-step problems using all four operations or measures.
- Is able to distinguish between regular and irregular polygons based on reasoning about equal sides and angles.
- Is able to draw given angles, and measure them in degrees.
- Is able to describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape hasn't changed.
- To be able to use approximate metric units and common imperial units, and convert between metric measures and imperial measures.

LANGUAGES OTHER THAN ENGLISH (LOTE)

Bahasa Malaysia

AT THE THEME PARK (FAIRGROUNDS)

This term in Bahasa Malaysia, learners will learn new vocabulary, phrases and sentences about places, games and activities at a theme park. Learners will be learning how to state comparisons between places, theme park rides, food and others in their speaking and writing tasks.

Learners will then create a simple theme park brochure for a theme park they like using Canva. Learners will be engaged in different kinds of activities that will cover these four skills: listening, speaking, reading and writing.

MHL

FAIRGROUNDS

Year 5 will first be looking at fairgrounds around Malaysia and conduct a survey on the popularity of each fairground within the country. Then they will be finding out about fairgrounds across the globe and comparing them to the ones we can find in Malaysia. In addition, learners will be given the chance to know about a day in the life of children all around the world and comparing them to their own. They will be doing research about other children's diet, places to live, education, what they do for fun and exposure to technology in their daily lives. Using the information they gathered, they will create a summary in the form of a presentation. They will then create a time-line of their day to be shared with their peers.

Spanish

FAIRGROUNDS

This term learners will study the topic of 'town'. They will learn key vocabulary for places in the town, give opinions on their hometown, say where they are going and give and receive directions. Some learners will begin to recognise key words and structures in longer texts. Key grammatical structures will include developing a basic understanding of the present tense and the use of connectives. Learners will create a digital advertisement brochure for a Spanish town or city. This term learners will also have the opportunity to participate in the Language Perfect World Championship to consolidate the key vocabulary that they have learnt throughout the course.

LANGUAGES OTHER THAN ENGLISH (LOTE)

Advanced Mandarin

FAIRGROUNDS

In Mandarin First Language this term Year 5 learners will be reading passages from the Singapore Chinese for Primary Schools Textbook and Activity book 3A (Huan Le Huo Ban). They will be learning new vocabulary based on the context. Learners will be focusing on stories of daily occurrences, cultural legends, festivals etc. For grammar, learners will be learning sentence connectors, forming paragraphs, extracting main points and writing a summary. In line with the topics, they will learn and understand more complex phrases and sentences and use them in a meaningful context. The learners will also learn to consolidate learning of vocabulary and grammar by re-using it in other contexts. The learners will also learn to present ideas through Seesaw's note for writing, and speaking.

Here are the online resources we use:

<https://xuele.moe.edu.sg/xuele/slot/u107/huanlehuoban/3A/3A.html?reload=true>

Mandarin as a Foreign Language

FAIRGROUNDS

During this term, Year 5 beginning level learners will be covering the topic "At The Theme Park". During this topic they will learn to respond to someone asking a question e.g 'What did you do at the Theme Park?' They will talk about 'my day at the Theme Park' in at least 2 sentences using a range of tenses, linking words, opinions, plurals, negatives and adjectives. There will be a role play for this topic. This role play actually helps them to be self-confident to communicate with people. Besides the role play, there are many different kinds of activities that always cover these four skills: listening, speaking, reading and writing.

MUSIC



FAIRGROUNDS

In Music this term, the learners will continue to build on their ability to play tuned instruments such as recorder and ukulele, and un-tuned percussion instruments. They will continue to develop their ensemble skill while learning to play with control and rhythmic accuracy and will learn to sing more complex songs. Learners will also listen to and appraise music to use more complex musical vocabulary when discussing the elements of music.

YEAR 5 EXPECTATIONS - DON'T FORGET



Hat and Water Bottle

Charge iPad



Each Night.

Home learning

Recommendations- upskilling - a little every day! (optional)	
LOTE (Vocab and practice)	5 - 10 mins per day
Reading	15 - 20 mins per day
Number bonds/tables	5 - 10 mins per day
Larger pieces of work to be handed in. (compulsory)	
Maths	2 hours total per week
Language Arts	
IPC	

Birthdays - please arrange with the teacher if you would like to bring cake to school.

Small cupcakes are best. No presents please.

Stay connected...

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