

Year 6 Term 2 2018

NEXUS

INTERNATIONAL SCHOOL

MALAYSIA

TERM 2

After an exciting Term 1 of Rivers and Art we open Term 2 of 2017/18 with our IPC unit "Mission to Mars". Details of the tasks our cadets must undertake to graduate from the Nexus Space Academy are detailed in the pages to follow.

In addition to this exciting topic we will continue to follow the English National Curriculum in Maths .

Our Language Arts journey this term will take us on visits Science Fiction and Information texts.

We are looking forward to our Thaipusam and Lunar New Year Celebrations and a term full of CCAs and sporting events.

THE YEAR 6 TEAM



Miss Janine



Miss Louise



Mr Tom



Miss Katho

Inclusion Integrator



Miss Vasanthi

Teaching Assistant



Mr Rob

Deputy Head

THIS YEARS IPC UNITS

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

Term 1a

Brainwave

Mission to Mars

Term 1b:

They see the world like this

Term 2

Go with the flow

Term 3

Extreme Survivors

Drugs

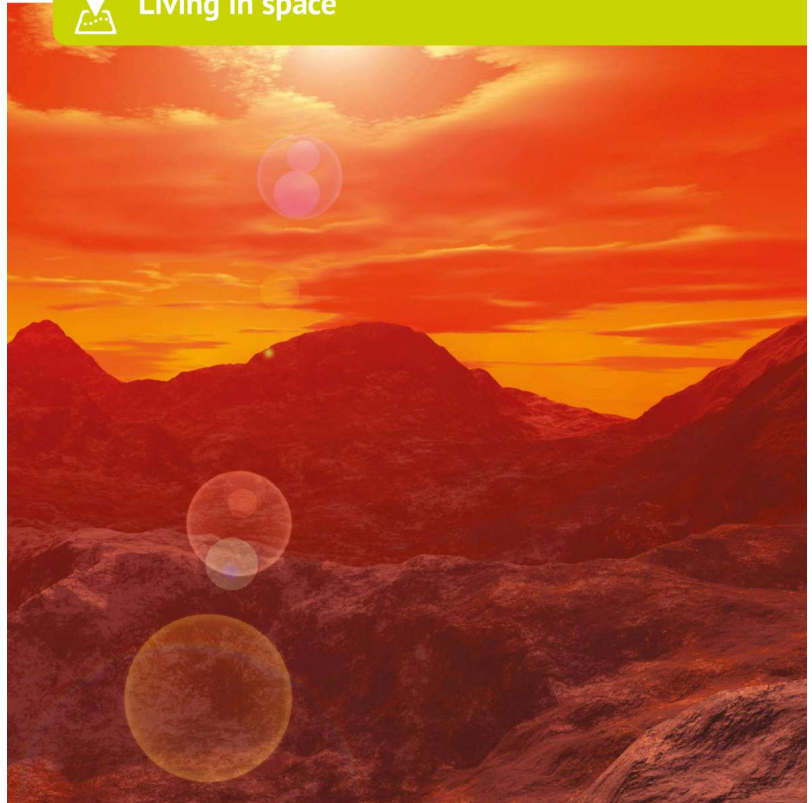
Growing Up



TERM 2 - MISSION TO MARS



Living in space



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.

Our big question: Would life be better on another planet?



Mission To Mars



Living in space

Explaining the Theme

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 programme 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 Society, we'll be finding out: How to work as a team

MATHS



As with last term, we are following the Maths Curriculum for England. Units that we will be covering this term are as follows;

Fractions, Decimals and Percentages 2: We will be working with fractions, including adding and subtracting fractions with different denominators, multiplying and dividing whole numbers by fractions and multiplying decimals.

Ratio and Proportion We will be improving our skills by looking at problems involving scaling. We will explore enlargements and solve problems involving sharing and grouping.

Algebra 1 As we introduce algebra we will work with simple formulae written in words and interpret the information. We will substitute numbers into a one-step and two step formulae written in words and create our own.

Position and Direction 1 We will develop our knowledge of angles and apply angle facts to deduce unknown angles.

Measurement 2 We will be exploring area, volume and perimeter. We will be learning when we can use formulae, using the correct units for area and volume, and calculating the area of parallelograms and triangles.

PE

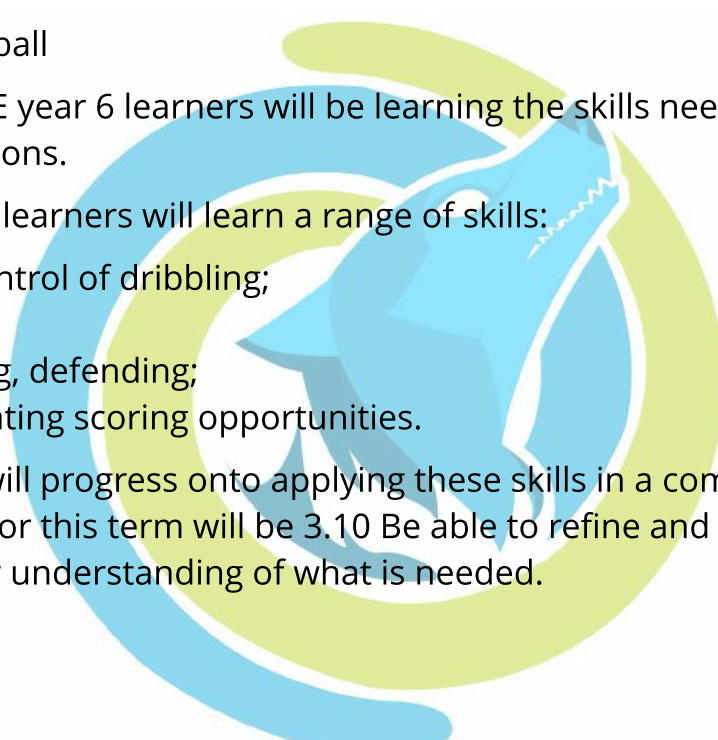
Term 2A: Football

This term in PE year 6 learners will be learning the skills needed to successfully play football in lessons.

In football the learners will learn a range of skills:

- basic control of dribbling;
- passing;
- attacking, defending;
- and creating scoring opportunities.

The learners will progress onto applying these skills in a competitive situation. The learning goal for this term will be 3.10 Be able to refine and improve their performance based on their understanding of what is needed.



LANGUAGES OTHER THAN ENGLISH (LOTE) PAGE 1

MANDARIN FIRST LANGUAGE

In Year 6 Mandarin First Language this term, learners will be working on differentiated reading passages from Singapore Higher Chinese for Primary Schools Textbook 4A & 4B, the language practices Standard Chinese Book 2. They will learn new vocabulary, phrases and sentences related to the topics and use them in meaningful context. The learners will also learn to construct sentences and short passages to improve on their fluency in communication relating to the topics. The learners will also learn making statements about visiting a place, referring to the past, expressing opinions and using adjectives to add interest and detail to a description. For usage of grammar, learners will be learning about conjunctions and radicals. They will be engaged in many individual, pair and group activities for examples, language games, survey, role plays, reading and writing activities.

This term we aim to increase Year 6 learners proficiency in comprehension and written production. Emphasis is on understanding Chinese grammar and syntax as well as the unique cultural patterns of China that can contribute to more effective communication. Wider range of readings, more writing and translation exercises, and increased use of audio/visual materials, Chinese pictures dictionary, and Chinese-language software are essential parts of the lesson. We also let the learners explore the library resources especially Chinese story books.

In line with the LNY curriculum day, learners will be introduced to many activities related to the Chinese culture within and outside the classroom.

MANDARIN FOREIGN LANGUAGE

During this term, Year 6 beginning level learners will be covering the topics "Jobs" and "Our World". They will be learning to respond to someone asking a question e.g what did you do at the Theme Park? , 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, able to respond to someone asking a question e.g what is the weather like? , talk about the environment, weather and habitats using a range of tenses, adjectives, dates, linking words, plurals, negatives and opinions in at least 2 sentences. There will be a role play for each topic. This role play actually helping them to be self confident to communicate with people. Beside the role play, they are many different kinds of activities that always covered these four skills: listening, speaking, reading and writing.

LANGUAGES OTHER THAN ENGLISH (LOTE) PAGE 2

BAHASA MALAYSIA

In Bahasa Malaysia this term, learners will be learning about jobs and ambitions. They will also be discussing and expressing their opinions about their passions and what they enjoy doing. Foreign language pathway learners will be creating short scripts and simple dialogues for their role play while first language pathway learners will be creating riddle and conducting interview with people doing different jobs.

In the topic Our World, learners will be learning about biomes, weather and our world environment. They will be describing and giving opinions about issues and problems the world is facing right now. Learners of the foreign language pathway will do weather forecast using illustration and writing while learners of the first language pathway will be presenting a weather forecast news orally with the help of visuals.

In grammar, they will be learning comparison, conjunctions, making simple sentence structures and writing short stories guided by illustrations and words. Comprehension texts according to the learner's level will be given to improve reading and enhance understanding. They will be engaged in many individual, pair and group activities for examples, language games, survey, role plays, reading and writing activities.

SPANISH

This term, learners of Spanish in year 6 will tackle two different topics:

Term 2.1. "Jobs": Learn to make statements about different types of jobs and activities and tasks required to perform these jobs. The focus will be on learning the vocabulary of jobs in Spanish and practise the changes in genre using masculine and feminine words. In addition, learners will be exposed to new infinitives (verbs) to produce specific sentence structures with opinions, adjectives and linking words.

Term 2.2. "Our World": Learn to talk about the environment in terms of problems we encounter as well as solutions we can apply. Sentences and key questions about the different types of weather on a range of habitats. Learners will be given the opportunity to practise grammatical structures with a modal verbs (i.e. Must / Should).

BAHASA INTERGRATION

Mission to Mars

In Bahasa Integration this term, learners will be researching about the flora and fauna indigenous to Malaysia collaboratively. They will be learning the names of plants and animals in Bahasa Malaysia.

Year 6 will also be researching and learning about geographical features of Malaysia and will be given the chance to be hands on creating 3D models on what they've learned in the classroom.

LANGUAGE ARTS

As we always like to link our subjects, this term, Year 6 learners will explore our space theme by learning about the features of Science Fiction and then creating their own. Learners will use their creativity to develop new technologies and contrasting characters.

Learners will then use their knowledge of the landforms on Mars to become tour guides and create information texts, scripts and a video of a tour of Mars.

LANGUAGE AWARENESS

Language Awareness helps our learners develop the finer skills they need to become great writers. In Term 2, learners will focus on using connectives to give their work order and emphasis. They will learn to give their work meaning by using descriptive language in their science fiction stories. Twice a week, learners spend some time reading age-suitable stories, locating and identifying key words and phrases within the text. Together with developing the use of different types and lengths of sentences, the learners will learn how to create moods, tension and excitement.

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 the sacred texts of many world religions and why they are important. We will also be finding out about the Buddhist celebration of Wesak day.

STAY CONNECTED USING THE



PARENT'S APP

Term 3 Reporting objectives

Language Arts Reading Objectives

Is able to identify and evaluate the techniques an author has used to create moods, feelings, messages and attitudes.	Is able to make inferences and draw conclusions from what they have read.	Is able to use a variety of strategies to understand meaning
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Language Arts Speaking and Listening Objectives

Is able to ask questions to obtain clarification and elaboration.	Is able to use appropriate vocabulary in speech.	Is able to use strategies and tools for making oral presentations
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Language Arts Writing Objectives

Is able to use a range of strategies and tools for planning, drafting and revising their writing.	Is able to use a variety of connectives in their writing.	Is able to recognise and use descriptive language.	Is able to use key vocabulary relevant to the topic
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Maths Objectives

Is able to perform mental calculations with mixed operations.	Is able to solve multi-step problems involving all four operations.	Is able to add and subtract fractions with different denominators.	Is able to use, convert and understand metric units of length and mass.
Is able to use the angle sum of a quadrilateral to find missing angles.	Is able to use a scale factor to complete an enlargement.	Is able to construct and interpret pie charts.	Is able to use symbols to represent variables in a formula.

MUSIC



Learners will learn to play the guitar and ukulele and build on their ensemble playing skills. They will sing more complex songs in unison or two or more parts with an increasing awareness of detail. As part of their IPC unit 'Mission to Mars' the learners will listen to and appraise music to encourage the use of more complex musical vocabulary when discussing the elements of music.

IPC LEARNING GOALS

Geography Learning Goals. Children will:

- 3.01 Know that the study of geography is concerned with places and environments in the world around them
- 3.02 Know about the main physical and human features and environmental issues in particular localities
- 3.03 Know about similarities and differences between particular localities
- 3.13 Be able to use a variety of sources to gather geographical information
- 3.14 Be able to collect and record evidence to answer geographical questions
- 3.15 Be able to identify geographical patterns and to use their knowledge and understanding to explain them
- 3.16 Be able to use appropriate geographical vocabulary to describe and interpret their surroundings
- 3.18 Be able to use appropriate techniques to gather information.
- 3.19 Be able to make plans and maps in a variety of scales using symbols and keys.
- 3.20 Be able to use and interpret globes and maps in a variety of scales
- 3.22 Be able to explain how physical and human processes lead to similarities and differences between places
- 3.24 Be able to communicate their knowledge and understanding of geography in a variety of ways
- 3.25 Understand how localities are affected by natural features and processes

History Learning Goals. Children will:

- 3.01 Know that the study of history is concerned with the past in relation to the present
- 3.06 Know about the ideas, beliefs, attitudes and experiences of people in the past
- 3.10 Be able to find out about aspects of the past from a range of sources
- 3.11 Be able to describe and identify reasons for and results of historical events, situations, and changes in the periods they have studied
- 3.12 Be able to describe and make links between the main events, situations and changes both within and across periods
- 3.14 Be able to describe how the history of one country affects that of another
- 3.15 Be able to ask and answer questions about the past
- 3.16 Be able to select and record information relevant to an historical topic
- 3.17 Be able to place the events, people and changes in the periods they have studied into a chronological framework
- 3.18 Be able to use dates and terms relating to the passing of time
- 3.19 Be able to communicate their knowledge and understanding of history in a variety of ways,

International Learning Goals. Children will:

- 3.01 Know about the key features related to the lives of people in their home country and, where appropriate, their parents' home countries
- 3.02 Know about the key features related to the lives of people in the host country and/or, where appropriate, other countries in which they have lived
- 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
- 3.07 Understand that there is value both in the similarities and the differences between different 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
- 3.09 Know that changes in the environment have effects on living things.
- 3.11 Be able to recognise and name the major plants and animals in the host country
- 3.13 Be able to recognise and name the major plants and animals in their home country
- 3.14 Understand the relationship between living things and the environment in which they live
- 3.25 Know about the functions of the major parts of a plant
- 3.26 Know about factors that affect the growth of plants
- 3.27 Know about the function of roots in anchoring and feeding plants
- 3.30 Know about the conditions needed for germination
- 3.36 Know that matter is made up of particles

Science Learning Goals (continued). Children will:

- 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
- 3.54 Know that light travels through some materials and not through others
- 3.59 Know about the relationship between the Earth and the rest of the solar system
- 3.60 Know that day and night are related to the Earth spinning on its axis
- 3.61 Know about the time taken for the Earth to orbit the Sun and for the Moon to orbit the Earth
- 3.62 Know about the effects caused by the Earth moving
- 3.65 Know about the major sources of energy
- 3.66 Know how energy sources occur
- 3.67 Know how energy sources are obtained
- 3.68 Know how energy sources are used
- 3.69 Know the basic principles of renewable and sustainable

Society Learning Goals. Children will:

- 3.01 Know that the study of society is concerned with learning about living as members of groups
- 3.05 Understand their own responsibilities in the groups to which they belong
- 3.06 Understand the responsibilities of others in those groups and in the wider community
- 3.07 Understand that the way in which people fulfil their responsibilities affects the lives of others
- 3.08 Understand that the behaviour of individuals has an effect on the lives of others

Technology Learning Goals. Children will:

- 3.01 Know that technology affects people's lives
- 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
- 3.13 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

YEAR 6 EXPECTATIONS - DON'T FORGET



Hat and Water Bottle

Charge Macbook



Each night.

Home Learning

Is given out on Fridays. For timings please see table below.

Often computer based. Handed back in the following Thursday.

Recommendations for Year 6 - 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 send in a birthday cake.

Sorry, no presents. Party invites must be for all.

Stay connected...

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