



**BRITISH INTERNATIONAL SCHOOL
HANOI**

A NORD ANGLIA EDUCATION SCHOOL

Curriculum Statement Year 5



**Term Two
January 2020**

In IPC this term, our topics are:

Space Explorers

In History, we will:

- Learn about the first Space scientists, such as Galileo.
- Learn about the Space race.
- Find out about satellites and Sputnik.
- Debate the rights and wrongs of sending animals into Space.
- Learn about the dangers of Space travel.
- Learn about the significance of the Moon landings.
- Learn what life is like on the Space Station.



In Art and DT, we will:

- Paint a space themed picture in the style of Peter Thorpe.
- Study an artist and look at the techniques used
- Explore with a range of media

Key Vocabulary: Space, galaxy, universe, star, planet, light source, axis, solar system, gravity, rocket, hemisphere, tilt, orbit, spin, revolve, rotate, launch, dock, eclipse, lunar, solar, black hole, wax, wane, crescent, gibbous moon, atmosphere, satellite

Websites that can help:

<https://www.esa.int/esaKIDSen/>
<http://www.sciencekids.co.nz/space.html>
<https://www.nasa.gov/kidsclub/index.html>
<https://kidsastronomy.com/>



STEAM Project

- We will investigate and evaluate cranes, thinking about how they work and how they are used.
- We will understand how levers and counterbalances work.
- We will design a crane using a range of materials, including mechanical components.
- We will use techniques to build a crane that is strong and can carry a prescribed load.
- We will make modifications to improve our cranes.

Key Vocab

Force, mechanism, lever, fulcrum, gear, cog, pulley, machine, pivot, gadget, engineer, construct, solve gravity, resistance, force, exert, Isaac Newton, Newton meter, weight, mass

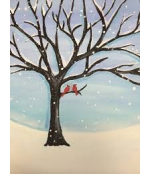
Websites that can help:

<https://www.theschoolrun.com/what-is-a-force>

<https://www.bbc.co.uk/bitesize/topics/znmnm39>

<https://www.bbc.co.uk/bitesize/clips/zch4wx>

English



Term 2a

In English, children will begin to look at figurative language and write a poem about winter using language features such as personification, similes, adjectives and metaphors

They will be improving their grammar by focusing on identifying different word classes and different figurative language features of poetry

Term 2b

During Term 2b, the pupils will be improving the quality of their fiction writing by writing a story about an alien invasion. The children will be using interesting vocabulary and a variety of sentence structures to write their story.

They will act out the story, practicing and performing it together. The children will then plan and write their own story using the same format.

Children will also improve their grammar by learning to use modal verbs or adverbs to indicate degrees of possibility. They will be learning how to proof read for grammatical errors and how to use semicolons, colons or dashes to mark boundaries between independent clauses.

Speaking and Listening

During each half term, as part of our Speaking and Listening Program, every child is required to prepare and deliver a presentation. In Term 2a, our topic will be 'I Wish I'd Thought of That', in which children will be asked to think about great inventions and consider how they have changed our lives for the better. The children will prepare this at home, deliver it at school, and benefit from positive feedback from their teachers and peers.

Reading

In school, children will be taking part in weekly whole class guided reading sessions in small groups. In term 2a we will complete our class text of Kensuke's Kingdom; a story that we have so very enjoyed very much. In Term 2b we will begin to read The Jamie Drake Equation. Whilst reading as a class we will look to work on skills such as fact-retrieval, inferring and summarising.

How you can support at home:

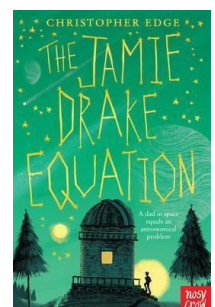
- Listen to your child read in English every day. (It is also important that they read in their home language, too!)
- Sign reading diaries regularly to ensure an accurate record of home reading is kept & ensure that library and Big Cat books are in school on your child's library visit day.
- Ask questions and discuss your child's reading; this will help build their language skills and understanding about new vocabulary.
- Listen to audio books in English.
- Encourage your child to write stories as much as possible.
- Go through your child's homework and check it with them.
- Check Class Dojo regularly and encourage your child to use the recommended websites, watch the videos and study the vocabulary on the Homework page.

Related websites/resources:

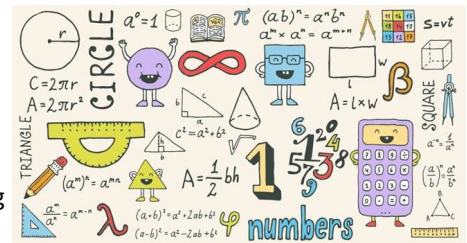
<https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar>

<http://www.primaryhomeworkhelp.co.uk/literacy/>

<http://learnenglishkids.britishcouncil.org/en>



MATHEMATICS



Calculations: addition and subtraction

Children will:

- Add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction).
- Add and subtract numbers mentally with increasingly large numbers.
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
- Solve addition and subtraction multistep problems in contexts, deciding which operations and methods to use and why.
- Solve problems involving number up to three decimal places.
- Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.

Statistics: use and interpret data

Children will:

- Solve comparison, sum and difference problems using information presented in a line graph.
- Complete, read and interpret information in tables, including timetables.

Geometry: properties of shapes

The children will:

- Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees
- Identify: angles at a point and one whole turn (total 360°) angles at a point on a straight line & 1/2 a turn (total 180°) and other multiples of 90°.
- Use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Geometry: Position and direction

The children will:

- Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

How you can support at home:

- Ask your child to explain the maths they did in school today to you.
- Ask your child to chant their times tables.
- Ask them times tables questions (both multiplication and division). Mix up the different tables and see how fast they can answer.
- Encourage children to use the Time Tables Rockstars website to improve the speed and accuracy of their times tables.—<https://play.ttrockstars.com/auth>
- Use the lessons on the MyMaths website to revise topics taught in school—<https://www.mymaths.co.uk/>

Related websites/resources:

- <https://play.ttrockstars.com/auth>
- <https://www.mymaths.co.uk/>
- <http://www.mathszone.co.uk/>
- <https://mathantics.com/>
- <https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=3>
- <https://www.mathsisfun.com/>
- <https://www.theschoolrun.com/year-5-maths>



SCIENCE

Term 2a - Forces through STEAM Project



The children will learn to:

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

Term 2b - Earth and Space

In Science, the children will learn to:

- Describe the movement of the Earth and other planets relative to the sun in the solar system.
- Describe the movement of the moon relative to the Earth.
- Describe the sun, Earth and moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.



How you can support at home:

- Look at a globe together and discuss how the Earth spins on its axis.
- Research the different planets.
- Investigate what objects float and sink in the kitchen sink or the bath and find out about Archimedes' principle.
- Investigate different shapes of paper aeroplanes, and which are most effective; discuss why.
- Explore gravity by dropping a selection of objects on the floor – do they always fall? Discuss why.

Related websites/resources:

<http://www.primaryhomeworkhelp.co.uk/revision/Science/space.htm>

<http://www.primaryhomeworkhelp.co.uk/revision/Science/physical.htm>

PRIMARY COMPUTING



SCRATCH

Students will spend the first two weeks of term completing their MIT Challenge projects, then we will move on to an engineering project using **k'Nex** to further develop their knowledge of gear systems and how they are used in everyday life.

P.S.H.E.

All the elements of PSHE link directly with our school's Aide Memoire. Each part of our Aide Memoire is explained and developed through our school superheroes. This term, Perseverance is our first topic and will be taught with the help of our very own Poppy Perseverance! Children will take on challenges and discuss the importance of not giving up, even if something is difficult. In the second half of the term we will focus on Enquiry, with Questionator taking centre stage as pupils learn all about asking questions to further their learning.



PHYSICAL EDUCATION

During Term 2 students will take part in a number of different sports. In swimming unit students will develop backstroke and breaststroke over 25m. In the net and invasion unit students will develop various volleyball skills and will be introduced to different invasion games. Students will develop their dance techniques with the Julliard dance programme.



MUSIC

In Term 2, Year 5 will be engaging with music of folk origins, though the starting point of Senegalese musician Doudou N'diaye Rose's *Chants du Burgam*.

As students explore this set of musical dances (*Burgur* is a type of celebratory dance), they will learn about and experience the musical features of rhythm, texture, tempo and meter. Within these areas, students will also encounter polyrhythm, call and response, and interlocking ideas (hocketing). They will explore how these can be used to change the energy and atmosphere of a piece of music.



As well as continuing to develop their keyboard skills, students will also compose and adapt their own music in response to the stimulus of *Chants du Burgam*, There will also be a large composition element to this core work.

Vietnamese

During the first half term Year 5 will continue the topic **Ancient literature**. Through researching Vietnamese folk stories, proverbs, idioms and customs, children will understand more about the community in Vietnam in the past and present. Then they will prepare for their Tet assembly.



After Tet, Year 5 will be looking at **Myths and Legends**. During this topic children will have a chance to explore other explanations for the formation of natural phenomena. They will also identify all the features of a legend and practice the writing techniques to describe character and setting to write their own story. Next, children will learn about **Recounts** and how to conduct an interview. They will be conducting interviews which are relevant to the current topic.

Year 5 will continue to focus on grammar, spellings and punctuation to widen vocabulary and sentence structures to improve their writing.

How you can support at home:

- Encourage your child to read books and answer the comprehension questions that are set for homework.
- Encourage your child to complete the homework at home by her/himself.
- Encourage children to practice their presentation at home to help them to be more confident when presenting in front of class.
- Research by reading together more books to get information about the topic.
- If they have younger children, suggest he/she reads to them. It will help with their reading aloud and expression.

Related websites/resources:

- Vietnamese stories: Sự tích hồ Ba Bể, Sự tích 12 con giáp, Lạc Long Quân – Âu Cơ, Lang Liêu – Bánh chưng bánh giầy...
- <http://www.youtube.com> (Truyện cổ tích, thần thoại và truyền thuyết Việt Nam)

Modern Foreign Languages

From February, in MFL we will be giving our students the opportunity to consider the needs and experiences of the French culture. Y5 students will be making simple statements about appearance, giving a simple description of a person while they are developing the grammar requirements to succeed in Year 6.



We do hope that the above information will be useful for you when supporting your child's homework and discussing his/her learning. Should you have any further questions please contact your child's class teacher.