



Year 5 Curriculum Newsletter September 2023

Park Hill Junior School Curriculum

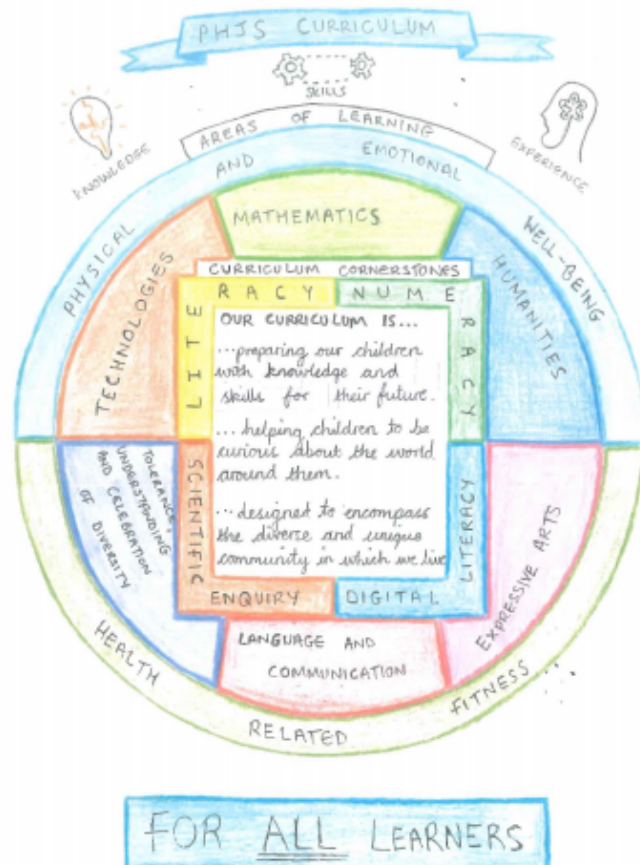
Each term this year, you will receive a Year Group Curriculum Newsletter which will showcase the learning the children have completed that term. The Newsletters will include pictures, examples of learning, explanations and child comments and we really hope you enjoy sharing them with your children and seeing what they have been learning.

We have worked carefully to develop our Park Hill Junior School curriculum over the last few years to ensure it is engaging, current and reflects our community. Our curriculum model (pictured below) shows the subjects we teach, the aims for our curriculum and how well-being is also thoughtfully considered.

This first curriculum newsletter is to show you what theme the children will be focusing their learning around in the Autumn term, including links to different sections of our website which will be helpful for you to look at. We look forward to sharing your child's learning with you in the next newsletter towards the end of the term.

We encourage you to ask your children questions about their learning to promote their curiosity, share their passions and help them to remember what they have learnt.

Thank you for your support.



Autumn term Curriculum

This term in year 5 the children will be introduced to the theme India. Throughout their lessons they will explore the physical and human geography of the country, learn part of its history and its link to the British Empire, find out key facts about Mahatma Gandhi and explore art and music and through this theme too.

<p>MATHS</p> <p>Children will learn:</p> <ul style="list-style-type: none"> How to read, write, compare and order 6-digit numbers To use < and > To add and subtract multiples of 10, 100 and 1000 to and from 5-digit numbers Written methods for addition and subtraction Mental strategies for addition and subtraction How to solve word problems Rounding to the nearest 10, 100 and 1000 Place value in decimal numbers Numbers to 1 million Negative numbers Roman numerals Interpreting different types of graphs including being introduced to line graphs To read and interpret table and timetables Multiples and factors including common factors Prime numbers, square and cube numbers How to multiply and divide by 10, 100 and 1000 Written methods for multiplying and dividing How to calculate the perimeter of rectilinear shapes How to calculate the area of rectangles, compound shapes and irregular shapes. 	<p>INDIA</p> <p>YEAR 5 AUTUMN</p>	<p>READING AND WRITING</p> <p>Children will use VIPERS and take part in Non-fiction Fridays in Guided Reading lessons.</p> <p>The class books they will be reading to: Aha and the Spirit Bird</p> <p>In grammar lessons the children will learn about:</p> <ul style="list-style-type: none"> Relative clauses Adjectives Conjunctions Homophones linked to spelling Main and subordinate clause <p>In writing the children will be using their knowledge to write:</p> <ul style="list-style-type: none"> A brochure A diary entry A biography A letter An adventure story A non-chronological report 	
<p>MUSIC</p> <p>Children will learn about the musical elements through:</p> <ul style="list-style-type: none"> Exploring Indian musical instruments and their function within ragas Composing and performing to a given structure 	<p>SPANISH</p> <p>Children will learn:</p> <ul style="list-style-type: none"> The location of Spain Greetings Numbers to 20 Colours 	<p>COMPUTING</p> <p>Children will learn:</p> <ul style="list-style-type: none"> E-safety To use Google Classroom To use Python and Scratch, including completing simple calculations, input values, create variables and use loops to draw shapes. 	<p>ART and DESIGN and TECHNOLOGY</p> <p>In art the children will learn:</p> <ul style="list-style-type: none"> To use sketchbooks to make observations and refine their art work To use watercolours to create different landscapes and experiment with layers. <p>In Design and Technology children will learn:</p> <ul style="list-style-type: none"> To use a 3D printer To plan, design and evaluate

Curriculum Maps

Specific information about what they will be learning in each subject is included on the curriculum map which can be found on our website and linked [here](#).

As we adapt our teaching to suit the needs of the children or to reflect things which are happening in the world, certain things may change but these give an overview of the knowledge and skills the children will be learning.

<p>ES</p> <p>Children will learn:</p> <ul style="list-style-type: none"> An introduction to effective leadership by varying tactics according to game conditions To refine passing and receiving To bring in three goal-keepers in different movements When not to be required through history. <p>Reading with a focus on evidence:</p> <ul style="list-style-type: none"> To explain some important safety principles when preparing for a netball To choose appropriate warm up and cool down <p>Read Once with a focus on the Social:</p> <ul style="list-style-type: none"> To create and compare a class in a creative and imaginative way To show control when making clear and fast dance movements. To respond well to others when creating and performing scenes with others. 	<p>GEOGRAPHY AND HISTORY</p> <p>In Geography children will learn:</p> <ul style="list-style-type: none"> To attain and map to locate information About India, including location, borders of water, climate and time zone About tectonic plates and movement The physical and human geography of India About biomass <p>In History children will learn:</p> <ul style="list-style-type: none"> How to research and write notes Facts about Mahatma Gandhi About British rule in India Indian independence
<p>SCIENCE</p> <p>Children will learn:</p> <ul style="list-style-type: none"> To compare and group inevitably materials To give measurements To communicate findings accurately in graphs and conclusions <p>Properties and Changes of Materials</p> <ul style="list-style-type: none"> About the different properties of materials That some materials will dissolve in liquid To separate mixtures in different ways according to their properties About irreversible and reversible changes 	<p>PE</p> <p>Children will be following the league programme and learn:</p> <ul style="list-style-type: none"> To face new challenge positively and set personal goals About their rights and responsibilities as a British citizen About rewards and consequences How an individual's behaviour impacts a group How emergency works in the school community About cultural differences Respect About bullying

Knowledge organisers

[Included on our website here \(please scroll down to the Knowledge Organiser section\)](#) are our Knowledge Organisers. These are great resources and the 'go to' documents that the children use in class to help them remember key facts, vocabulary, spellings and information around a particular topic they are learning in a subject or in a theme. These also encourage the children to be resourceful in lessons. At home we encourage you to discuss them with your children and see what they have learnt already and what they remember from their lessons. Our initial letter introducing these can be found [here](#).

YEAR 5 INDIA KNOWLEDGE ORGANISER

KEY VOCABULARY AND SPELLINGS

Human features – the structures that have been built or made by humans. They are not natural objects

Physical features – the natural environment of an area

Climate – the observed weather conditions and patterns in a particular area over a long period of time

Culture – pattern of behaviour shared by a society or group of people

Hemisphere – half of the Earth usually divided into Northern and Southern halves, separated by the Equator

Latitude – the angle/distance of a place north or south from the Earth's equator

Bodies of water – any significant accumulation of water on the planet's surface.

LOCATION AND MAPS

India is located in the Northern hemisphere and in the continent of Asia.

FAMOUS PHYSICAL AND HUMAN FEATURES

The Himalayas – a mountain range running along the north of India.

The Ganges – Hindus believe that the river is holy and will cleanse your soul.

KEY FACTS

Flag:

Capital: New Delhi

Currency: Indian Rupee

Language: Many different languages are spoken in India including Hindi, English, Telugu, Marathi, Tamil, Urdu, Gujarati and Kannada

Religion: Many including Buddhism, Hinduism, Christianity, Islam and Sikhism

Bordering countries: Bangladesh, Bhutan, Burma, China, Nepal and Pakistan

Major bodies of water: India is bordered by the Indian Ocean, Bay of Bengal and the Arabian Sea. Major rivers include The Ganges, Yamuna and Indus.

The Mahal – built by the emperor Shah Jahan in the 17th Century

YEAR 5 PROPERTIES AND CHANGES OF MATERIALS KNOWLEDGE ORGANISER

KEY VOCABULARY AND SPELLINGS

Soluble – able to be dissolved, especially in water

Insoluble – cannot be dissolved, especially in water

Dissolve – when something solid mixes with a liquid and becomes part of the liquid

Solution – is made when one substance dissolves into another

Reversible change – can be reversed back to its original state

Irreversible change – cannot be reversed back to its original state

Transparent – allows light to pass through

Thermal conductor – a material or device which allows heat to carry through

Electrical conductor – a material or device which allows electricity to carry through

Magnetic – capable of being magnetised or attracted by a magnet

COMPARING AND GROUPING – Materials can be compared and grouped together on the basis of their properties including:

- Hardness** – how hard or soft a material is
- Solubility** – whether a substance can dissolve
- Transparency** – whether it allows light to pass through
- Conductivity** (electrical or thermal) – whether it allows heat or electricity to carry through
- Response to magnets** – whether it is magnetic

PARTICLE ARRANGEMENT

Solid – particles packed closely together

Liquid – particles have some spaces between them

Gas – particles are free to move

REVERSIBLE AND IRREVERSIBLE CHANGES

REVERSIBLE

Dissolving sugar in water

Freezing water

Melting chocolate

IRREVERSIBLE

Toasting bread

Cooking a cake

Baking chocolate (in a cake mixture)

DISSOLVING – Sometimes when a solid (solute) is mixed with a liquid (solvent) it will dissolve to form a solution e.g. dissolving sugar in hot tea.

The solid seems to disappear in the solution but it is still there it has just become part of the liquid.

A soluble material can dissolve however an insoluble material cannot dissolve.

SEPARATING MIXTURES

SEIVING – a mixture of different sized solid particles can be separated with a sieve.

FILTERING – an insoluble solid can be separated from a liquid when passed through a filter. The liquid passes through the solid particles are trapped on the filter.

EVAPORATING – if a solution is boiled (heated) the water will evaporate into gas and the solid will be left behind.

Reading

During Guided Reading sessions, in every year group, we follow the **VIPERS** skills

V = Vocabulary

I = Inferencing

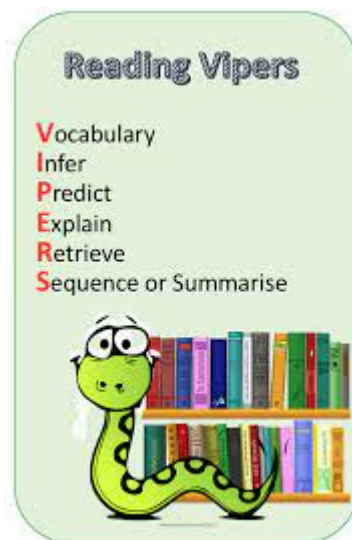
P = Predicting

E = Explaining

R = Retrieving

S = Summarising

Every day one or two of these skills are the focus and on a Friday it is Non-fiction Friday, where the children can research and learn facts based on the theme they are learning.



Experiences

We are in the process of booking trips and experiences for the children this year but do know that in the Summer term the children will be going to the British Museum for a workshop on Ancient Greece.

Information about trips will be sent to you in a separate letter.



Please Just Ask

If you need to speak to us about your child's curriculum, please do come and speak to your child's class teacher or Ms Dempsey or Miss Turner. You can also go to the curriculum page on our website which you can access on the following link:

<https://www.phjs.co.uk/curriculum/curriculum-statement>

Can you help?

If you have a particular passion or skill which you think will link well with a theme please speak to your child's class teacher or Miss Turner. Alternatively, you can email the school office.

Also if you hear of local or national events which you think would be good to promote in our school please share them with us.



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