



Islington Home Learning WC 6th July Age Range: Year 5 and 6

Weekly Maths Tasks (Aim to do 1 per day)

Read the book suggested in the Reading section. On page 13, the teacher asks Maggie that if 1 litre of water weighs a 1kg, how much does 1 cubic centimetre weigh? Maggie knew that the answer was 1 because she knew that there are 1000 millilitres of water in a litre, and that 1 cubic centimetre is equivalent to 1 millilitre. She knew this because she had a strong understanding of place value. Practice your knowledge of place value by picking some numbers between 50 and 100 and multiplying them by 10, 100 and 1000. Explain what happens to the numbers when they are multiplied by these amounts. Remember it is more than just that we have added a zero on the end!

Maggie was born in North London. Find out how many people live in 5 different cities in England. Can you round these numbers to the nearest 10, the nearest 100 and the nearest 1000? You could organise your work in a table like this:

City	No. people	Round to 10	Round to 100	Round to 1000
London	8,787,892	8,787,890	8,787,900	8,788,000

Can you remember what square and cube numbers are? Click [here](#) to remind yourself and complete the challenge.

Use [Hit the Button](#) to practise multiplication and division facts and squared numbers.

Use the digits 9, 4, 0, 1, 6 to make as many different whole numbers as you can. How can you be sure you have found all the potential different numbers you could make?

Weekly Reading Tasks (Aim to do 1 per day)



There have been many pioneers in the world of Science. In [this Oxford Owl book](#), you can learn about current Space Scientist, Maggie Aderin-Pocock. Perhaps she too will develop insights, which will be used for years to come. Which country did Maggie travel to when she worked on the Gemini South telescope? What name did Maggie give to the talks she carried out in schools?

Use the information you have retrieved to tick true or false for these statements:

	True	False
Maggie was born in North London in 1968.		
Neil Armstrong and Buzz Aldrin took their steps on the moon in 1967.		
At the age of 15, Maggie bought her first telescope.		
In 2015, she won the New Talent award from the organisation 'Women in Film and Television'.		

[Read this e-book from Oxford Owl](#). You may have to login but it is free to access. This book explores a man who was a pioneer in art and science as well as being a famous inventor. His name is Leonardo Da Vinci. What would you like to find out? Write down your questions. Have you found the answers?

Complete this word grid for a word found in this text:

Priceless (page 21)

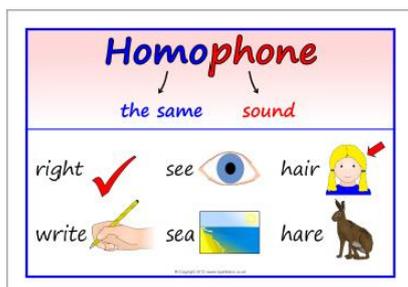
Definition	
Sentence	
Synonyms	
Antonyms	



Edward Lear, a pioneering poet and artist, was born in Islington in 1812. Watch this [BBC Bitesize video](#) about nonsense poems. Read the poem, '[The Owl and the Pussycat](#)' and identify the repeated phrases. Why does Lear use this? What impact does it have on the reader? Recite and perform the poem, emphasising the repeated phrases.

Weekly Phonics/Spellings Tasks (Aim to do 1 per day)

Practice spelling the common exception words from your year group using [this game](#)



In Year 5 and 6 children will learn more about homophones: 2 words that sound the same but have different meanings and sometimes different spellings.

Fill in a chart to show two words which often get confused and complete a sentence to illustrate the meaning of the word. The first one is done for you.

Aisle	
I walk in the shopping aisle with my trolley	The _____ of Man is a small island off the coast of north west England
Affect	
The weather may affect our plans	The weather may have an _____ on our plans
Farther	
On holiday I walked farther than ever before	_____ is another words for dad
Guessed	
I guessed that your favourite football team was Arsenal	Another word for a visitor
Past	
In the past swimming costumes were made out of thick heavy fabric	I _____ the ball to him in the game

What other words can you find that sound the same but have different spellings and meanings?

Weekly Writing Tasks (Aim to do 1 per day)

Throughout history, many pioneers have attempted to invent machines to help humans fly. Watch this film, ['Wing It'](#), which is set in 1893 and we first meet our hero, Sherman, working on his plans for a flying machine. What do you think the aliens are saying? Write some dialogue to accompany the aliens body language.

There are some significant, key phrases featured in Edward Lear's poem, 'The Owl and the Pussycat'. They are: *The sea, A pea-green boat, O let us be married, The light of the moon.* Create a short poem using these phrases. It should include a beginning, middle and ending, have an interesting setting, characters, and objects.



[This video, 'Girl and Robot'](#) features a young girl who builds a steam-powered robot but has trouble getting it started.

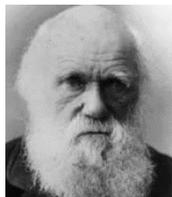
What happens next? Write a new chapter about what she tries next.

A pioneer must be determined and resilient, two attributes that this young girl has in abundance. Write a job advert for a 'pioneer'. Write down the attributes that you feel are most important to be a successful pioneer.

Leonardo Da Vinci's most famous painting is 'The Mona Lisa'. Why do you think this is? You can see a close-up of the painting [here](#). Imagine you work for a museum and you need to get more visitors. Write a persuasive description about the painting to encourage more visitors to come.



Weekly Science Tasks



Darwin was a scientific pioneer whose theories of evolution and inheritance changed the way we saw the world.

This [video](#) explains his theories.

BBC Bitesize has 3 learner guides to explore which will give you more information about [adaption](#), [inheritance](#) and [Evolution](#). Watch the videos, read the text and do the activities.



Living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents so let us think about you.

A **characteristic** is a feature of any organism – either 'seen' (like hair colour) or 'hidden' (like blood group). All humans look similar and may share certain characteristics because various combinations of characteristics result in what we call 'variation'.

Explore your own inheritance by thinking about the following **characteristics**:

- Hair colour
- Eye colour
- Face shape
- Ear lobes (attached or not)
- Decide which **characteristics** you have inherited from your parents. To make this even more fun see if you can look at photos of your parents at your age!
- Think about your brothers and sisters, what characteristics do you have in common and which are different?

Want More Science? Have a look at the following:

If you want to know more about Darwin, you can watch this [video](#) and read this guide from [Nat Geo Kids](#). Have a go at the adaption quiz at [education quizzes](#)

To find other scientific pioneers and do some experiments based on their discoveries, head to [PSST](#). You could find out about the woman who invented kevalar and make an egg protector or a rocket fuel scientist and make a balloon rocket.

Weekly RE Tasks

We are going to continue to find out about Sikhism this week.

Sikhism was founded by a wise man called Guru Nanak. Guru Nanak is considered the first Sikh Guru. Sikhism is still based on his teachings and those of the nine Sikh Gurus who followed him. [Follow this link](#) to find out all about Guru Nanak though videos and text.

Use the table below to reflect on what Sikhs do for the celebration of Guru Nanak Gurburab and how it might be similar to your life. For example, have you ever been in or watched a parade? What was it for?

Picture	What do Sikhs do?	Does it remind you of anything in your life?

Personal, Social, Health and Economic (PSHE) Education Activities

PSHE education is a school subject that helps children develop knowledge, skills and qualities to manage their lives, now and in the future.

This week's theme is '**Connecting across generations**' which is part of *Children's Art Week* organised by Engage, the National Association for Gallery Education.

- Write down what the term 'connecting across generations' means. You may like to use drawings to support your writing.
- Draw a picture of someone who inspires you – for example, a celebrity who has done some good, a sports player, a singer, someone in your street or local community.
- Name the qualities they have that inspire you. Choose one of these qualities and write about a time that you have shown this quality.
- Show your picture to a relative or family friend, telling them about the person and their qualities. You may wish to give the picture to your relative or family friend, to add some extra sunshine to their day!

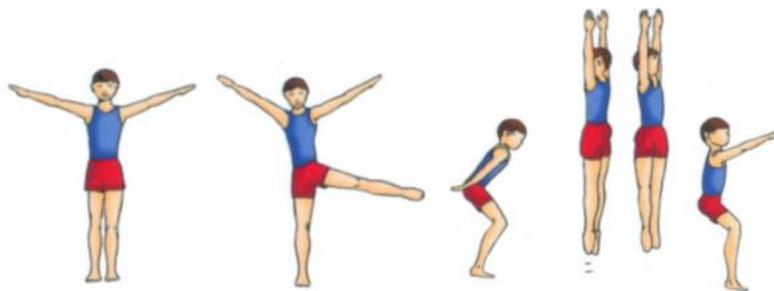
To enjoy more activities like the one you just did above, go to [this link](#) below that has an activity pack for KS1 & KS2 on connecting generations.

Physical Education Activities: Skill Focus: Floor routine

Try these three gymnastic phases to help with your body management skills! Make sure that you are performing the moves on a soft surface such as a mat or carpet. Can you practice them so you can do all three from memory?

Technique: When performing our gymnastics moves we need to remember to keep our muscles tense so that our bodies keep the correct shape!

Step 1: **Starting position, One leg balance, Stretch Jump with Full Turn**



Step 2: **Tuck, Rock Back into Shoulder Stand and Rock Forwards to standing**



Step 3: **Straddle Position, Pike into back support, Pike to Full lever**



Health and Safety:

All activities should be performed with an adult or responsible person present. The environment (indoors or outdoors) should be checked for hazards and people taking part should be dressed appropriately including tying long hair back, wearing appropriate clothing and foot ware and not wearing jewellery or watches.

All of the activities are intended for pupils to take part on their own physiological terms. Pupils are expected to have fun trying the different games by using the correct techniques. As they get better at performing they may wish to start recording their attempts and setting their own targets to see if they can "improve".

The Theme of the week is...Pioneers



Around the World : The Space Race was a period of time when America and Russia were competing to achieve firsts in space travel and exploration such as the first satellite, first person in space etc.

These are two massive countries, much bigger than our own country. Choose either Russia or America to compare and contrast with the UK. You could focus just on the capital cities or expand your comparison to the whole country.

You can start by thinking about:

- physical features (like: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation)
- human features, (like: city, town, village, factory, farm, house, office, port, harbour and shop)
- Climate
- Natural resources (energy, food, minerals, water)
- You can record it as a report, PowerPoint, poster, video to share with others.



Art Attack: Leonardo Da Vinci was a pioneer in many subjects such as Art and Science. Watch this [BBC Bite-size video](#) to find out more about him. Just like [the Oxford Owl book](#) informs you, in 1472 Leonardo began to get his own jobs. He painted portraits for rich people. In 1503 he began painting a lovely lady called Lisa. This painting, known as the Mona Lisa, hangs in the Louvre museum in Paris, France and is one of the most famous portraits in the world. [Watch this video](#) to find out more facts about the Mona Lisa. Look closely at the painting and use this as inspiration. You are going to follow the advice in [this video](#) and draw a portrait of yourself, a self-portrait.



Back in Time: Olive Morris was a pioneer in local activism. In 1961 she moved from Jamaica, where she was born, to South London. When she was 17 she started to speak out about the racism that she, and others had experienced. She created groups for women to encourage them to become politically active. Her determination and fearlessness to speak about inequalities publicly made her an inspiration to others. Head over to [this website](#) to find out more about Olive and other remarkable historical figures.

- Create a fact file about her publicising the good work she did or write a diary entry from her point of view.



Musical Maestro : Some of your favourite artists today wouldn't be making the music you love without pioneering musicians before them. This week we're going to think about a genre of music called Hip Hop which started in the 1970s but took inspiration from earlier music styles such as disco, jazz and reggae. It began in Jamaican-American, African-American, and Latino-American urban areas in some of the larger cities of the United States. Hip hop uses a style of singing called rapping. The singer or group chants or says words with a rhythm that rhymes. The lyrics of hip hop songs are often about the life of urban people in the big cities. Rap and hip hop music have become successful music genres.

- [Watch this video](#) to find out more about the history of hip hop music and use the synthesizer to create background music
- Write your own rap using [these resources](#) created by Bad Lay-Dee for Music Education Islington and rap the lyrics you write over the music you have made.
- You could also use this [online song maker](#) to create a background beat for your rap

The Subject of the week is Pioneers