

Learning Project - Summer

Year 4

Weekly Maths Tasks	Weekly Reading Tasks
<ul style="list-style-type: none"> Plan a summer Bar-be-que or picnic for your family. How much would your ideal Bar-be-que/picnic cost? What would you be able to keep if you had a budget of £20? With adult help use grocery websites to find out the prices of food/utensils etc you would need. You have been given £600,000 to design your own theme park. Your theme park must have rides, a car park, toilets, cafes, shops and paths. Design your own theme park (create a map or a drawing) and calculate how much your theme park will cost using the price list below. Create your own summer garden maths game or obstacle course. 	<ul style="list-style-type: none"> Reading comprehension – Sun safety. Read a book about summer or your favourite summer activity and create a summer word search summer vocabulary. Lots of books are often adapted to film or stage play. Create or re-create a short play/drama/musical to share with your family the story you are reading about or your favourite story. This could be your favourite scene or a summarised version of the story. <p>Remember to log in to Accelerated Reader after you complete a school book to take your quiz!</p>
Online Maths Tasks	Daily Reading
<p>Mathletics – Continue to have a go at the tasks set on here.</p> <p>TT Rockstars – Make sure to have a go on Soundcheck at least once a day and help us in our weekly battle! (3x a week)</p>	<p>Make sure to read for 20 mins a day. Ask your child about what has happened, what their favourite part is, and what they think might happen next.</p> <p>Remember you can now use Epic Books to access to even more books!</p>
Weekly Spelling Tasks	Weekly Writing Tasks

- Practise your individual spelling lists on **Spelling Shed** (3x a week)
- Choose 5-10 common exception words; "Write" your words by cutting letters out of a newspaper or magazine and gluing the letters on a piece of paper to spell your words. You could also try writing each letter in a different font or style (eg, cursive, bubble letter, block etc).
- Rainbow words: Use your common exception words; Write your spelling words in the shape of a summer themed object (Eg. Ice cream cone, beach ball etc). You can use more than one word to make the object. Make each word a different colour- can you create a whole picture this way?

- Write a recount about your school year. Write about the highlights/favourite memories. Why do these activities/events stand out in your mind?
- What are you most looking forward to this summer OR what would your ideal summer look like? Write a letter to a friend or your class teacher describing it.
- Write a summer themed story or poem in the style of your choice.

Learning Project - to be done throughout the week

- **Science** – Can you make ice lollies out of different liquids like juices? (Don't have lollie molds or sticks? Try using an icecube tray and cocktail sticks). Use plain water as a comparison. How long does it take for each liquid to freeze? Do some freeze faster or slower than others? Why do you think this might be? Can you create a graph (line or bar) to show the freezing times? What happens if you mix liquids?

- **DT**- Can you make ice cream in a bag? (See below for base recipe) Design your own ice cream flavour(s). What would it's name be? What would packaging look like? Write a short description of your ice cream flavour. You might want to investigate flavours and names that already exist (Eg. Ben and Jerry's).



- **Art**- Can you create a summer or beach themed picture using pointillism in the style of George Seurat. **See information below.**



- **History**- Can you research and write a non-chronological report on the history of seaside and summer holidays during the Victorian era? What activities would people enjoy during the summer? How is it similar or different to modern summer holidays?

- **Geography**: Research your favourite or ideal country to go away to on summer holiday and create a day celebrating it. Can you make some traditional food from your chosen country? Decorate a room or your garden to celebrate aspects of the country (eg. flags, artwork, traditional masks/costumes, landmarks etc).



- **Time to Talk**: Ask your family members about their favourite summer activity or their most memorable summer. Why is that their favourite activity or memory? What makes it fun/special?

Additional learning resources parents may wish to engage with

Classroom Secrets Learning Packs - These packs are split into different year groups and include activities linked to reading, writing, maths and practical ideas you can do around the home.

<https://classroomsecrets.co.uk/home-online-learning/>

Twinkl - to access these resources click on the link and sign up using your own email address and creating your own password. Use the offer code UKTWINKLHELPS.

Top Marks – Some great Maths games for all ages, that you can play online.

<https://www.topmarks.co.uk/>

Audible – All children's books are free to listen to during school closure.

<https://stories.audible.com/start-listen>

BBC Daily Lessons – The BBC have created a series of daily lessons in all subjects that you can use to learn more. <https://www.bbc.co.uk/bitesize/dailylessons>

Food a Fact of Life – Education resources, recipes and ideas for a healthy lifestyle

<https://www.foodafactoflife.org.uk/>

Mindfulness – Make sure to take time for some mindfulness this week.

Go Zen Body Scan Meditation is great for calming exercise

<https://www.youtube.com/watch?v=aIC-lo441v4>

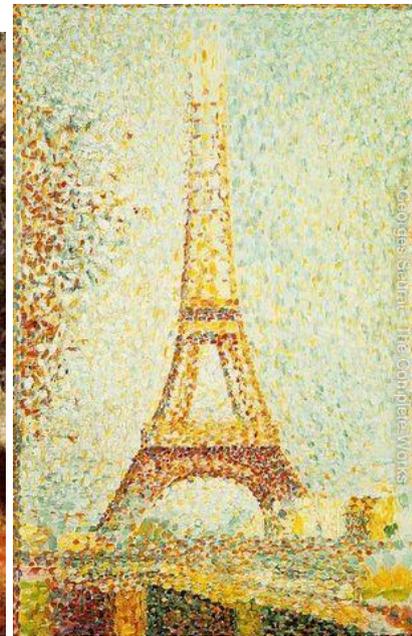
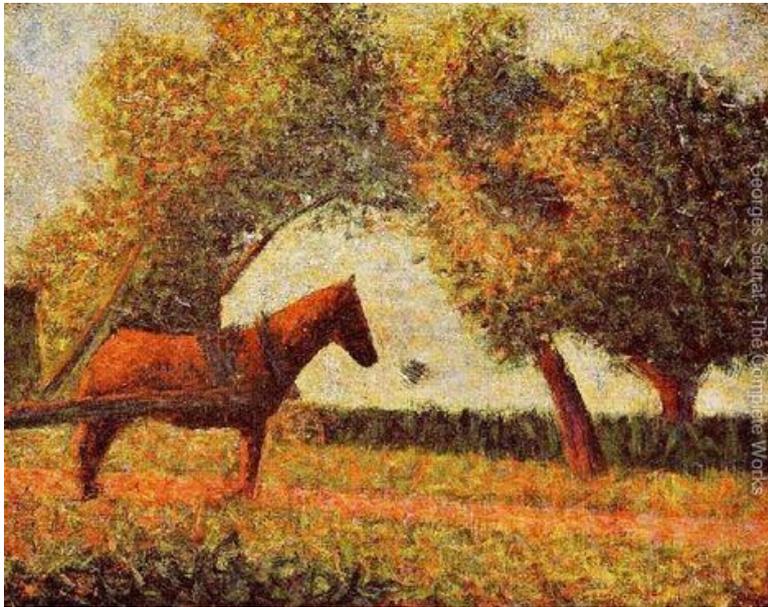
Cosmic Kids has great yoga and zen den exercises for you to try

https://www.youtube.com/channel/UC5uIZ2KOZZeQDQo_Gsi_qbQ

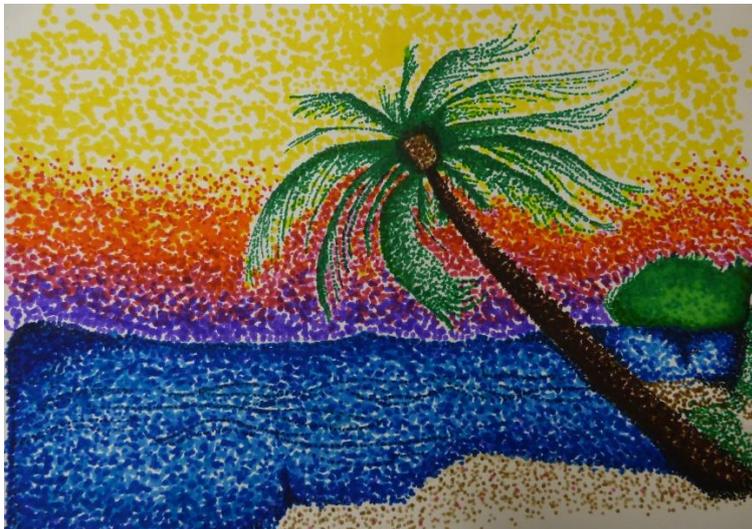
Pointilism

Pointillist artists create pictures made from tiny dots of colour. Pointillism can be used to create portraits, landscapes and abstract images.

George Seurat from France (1859-1891) was a pointillist artist. Seurat did not mix colours in a palette; he used dots of many different colours that are blended by the eyes of the viewer.



Your task is to create a beach or summer themed pointillist picture.



There are many ways to create a pointillist painting. You can use paints with cotton buds, paints and different sized paint brushes, markers with different sized tips, colouring pencils etc. You can get creative as well- for example painting onto bubble wrap and then printing it onto paper. Experiment with different mediums- can you use different sized dots? How can you blend colours? Your picture doesn't have to be big either!

Ice cream in a bag

<https://www.inthekidskitchen.com/kitchen-activities/ice-cream-in-a-bag/>

<https://www.bbcgoodfood.com/recipes/instant-vanilla-ice-cream>

https://www.youtube.com/watch?v=y-69y9GsS_4

ICE CREAM IN A BAG

Have you ever made your own homemade ice cream? There are lots of gadgets and ice cream makers for sale, but you actually don't need any fancy equipment to make ice cream at home!

All you need are 4 simple ingredients and a few basic supplies to make ice cream in a bag! That's right, you can make real homemade ice cream in a ziplock bag!

This is such a fun [summer activity for kids](#) because they can take the bag outside and shake it around, toss it, etc. In other words, they'll burn lots of energy!

And when it's all done, they can cool off with the delicious and refreshing ice cream they made!

HOW IT WORKS: THE SCIENCE BEHIND ICE CREAM IN A BAG

The cool thing (see what I did there?) about making ice cream in a ziplock bag is that it is a science lesson too!

The ice in the ziplock bag has to absorb energy from its environment in order to melt. Adding salt to the ice lowers the freezing point of ice from 32°F to about 20°F, so the ice needs to absorb even *more* energy to melt.

The ice absorbs heat (energy) from the ice cream ingredients which it comes into contact with, as well as the outside environment. As the ice absorbs heat from your ingredients, the ice cream begins to freeze.

So not only is ziplock bag ice cream lots of fun, but you can feel good about this treat in particular because it has educational value too! Win-win!

Ingredients

- 300ml semi-skimmed milk
- 1 tbsp caster sugar
- ¼ tsp vanilla extract
- 1kg ice
- 6 tbsp rock salt
- hundreds and thousands, to serve

You will need

- 2 medium zip-seal freezer bags
- 1 large zip-seal freezer bag
- sticky tape
-

Method

- Place the milk, sugar and vanilla into the doubled-up medium zip-seal bags. Close and secure with sticky tape if the seal isn't strong. Tip the ice and salt

into the large bag, then place the smaller bags inside the larger one, and seal well.

- You will need to keep the bags moving for 10-15 mins to freeze the milk. Gently throw the bag from hand to hand or take turns shaking it – it's a good idea to wear gloves to keep your hands warm! Remove the ice-cream bag, open and scoop into bowls.

Theme Park Design

You have been given £600,000 to design your own theme park. Your theme park must have rides, a car park, toilets, cafes, shops and paths. Design your own theme park (create a map or a drawing) and calculate how much your theme park will cost using the price list below.

Item	Number of squares	Cost
Large ride	8	£50,000
Small ride	5	£24,000
Cafe	5	£11,000
Shop	4	£6,000
Toilets	3	£2,000
Paths		£150 per square
Car park		£400 per square
Boating lake (optional)		£3,000 per square
Splash park (optional)		£2,000 per square
Crazy golf (optional)		£2,000 per square
Adventure playground (optional)		£1,500 per square
Indoor soft play (optional)		£3,000 per square
4D cinema (optional)	6	£32,000