

Year 3 Home Learning Grid- Week beginning 29th June 2020

Maths

Statistics

Computer-based activities

Consolidate:

Watch this video showing how data can be collected and handled: <https://www.bbc.co.uk/bitesize/clips/zgtn34j>

Core:

Have a go at playing this game where you are asked to interpret different bar charts:

https://mathsframe.co.uk/en/resources/resource/51/bar_charts

You can choose level 1, 2 or 3 depending on how much you'd like to challenge yourself.

Extend:

Complete the table below and answer the questions about children getting the bus to school.

4a. The table below shows how many pupils got on the school bus at the first two stops. The number of pupils increases at each stop by 4 each time. There are six stops in total.

Bus stop	1 st	2 nd	3 rd	4 th	5 th	6 th
Number of pupils	3	7				

Complete the table and answer the questions below.

- How many pupils will get on the bus at the sixth bus stop?
- How many pupils were on the bus altogether after the fifth bus stop?
- If three boys and one girl missed the bus, how many pupils were dropped off at school that morning?

English

Reading

- Log in to your Bug Club account and complete a new book, remember to answer the comprehension questions.
- Read a book of your choice for 15 minutes.



Super challenge: write an alternative ending for a book that you have read recently.

Spelling

This week's spelling words are:

suppose, surprise, minute, natural, forward

Try: making your own word search with your spelling words. Put all of your spelling words onto a grid in different directions and then add random letters all around your spelling words to hide them. Perhaps you could challenge someone at home to find the words you've hidden. Don't forget to write a list of the words to find!

Spelling Shed: Complete the following activity
Challenge words – List 24



Science

Colourful jar experiment

This lovely, colourful jar experiment is super easy to set up and carry out but looks amazing!

What you'll need:

- A jar or glass
- Warm water
- Oil
- Food colouring
- Pipette



Instructions

Fill the glass or jar about 3/4 full of warm water. Carefully pour a small layer of oil onto the surface of the water and leave to settle.

Note that **oil and water don't mix!**

Use a pipette to carefully drop small amounts of food colouring into the jar. You should see the food colouring drop through the oil into the water leaving colourful trails behind.

Non computer-based activities

Consolidate:

Look at the pictogram below and then answer the questions. Each piece of fruit on the pictogram represents **one** child's favourite fruit.



1. How many children like apples?
2. How many children like oranges?
3. How many children voted for their favourite fruit altogether?

Core:

Look carefully at the table below and answer the questions:

5b. The table below shows the number of visitors to different shops over a weekend.

	Gift shop	Pet shop	Card shop	Clothes shop	Flower shop	Corner shop
Saturday	7	9	12	8	7	15
Sunday	15	7	18	13	11	8

- A. Which shop had the least amount of visitors on Sunday?
- B. Which shop had the most amount of customers over the whole weekend?
- C. How many visitors did all the shops beginning with the letter 'C' have in total, on Sunday?
- D. Which shops had more visitors than the flower shop but less than the corner shop over the two days?

Extend:

Gather some data of your own and present it in different ways – for example in a table, a tally chart, a pictogram and a bar chart.

English

Developing Descriptive Writing Game

At the end of this grid you will find a collection of 'boring sentences'. This game will allow you to make the sentences far more interesting by following a few simple rules. You will need the boring sentences (attached below) and a dice or random number generator that can provide you with a number between 1 and 6.

First, choose a boring sentence from the list. Now, take it in turns with your partner to roll the dice or generate a number between one and six.

If you roll a:

- 1) **Change a verb in the sentence** – e.g. the man is going to walk to the shop could become the man is going to hop to the shop.
- 2) **Explain when the action happened** – e.g. the man is going to hop to the shop in the middle of the night.
- 3) **Add an adjective to your sentence** – e.g. the man is going to hop frantically to the shop in the middle of the night.
- 4) **Explain how the action happened** – e.g. the man is going to hop frantically to the shop in the middle of the night with his shoelaces tied together.
- 5) **Explain where the action happened** – e.g. the man is going to hop frantically to the shop in Newport High Street in the middle of the night with his shoelaces tied together.
- 6) **Change the sentence** in any way you wish to make it more interesting.

When your sentence is considerably different from the sentence you started with, write down your starting sentence and the latest version to see how much it has changed. Then have another go beginning with a different starting sentence.

THE SCIENCE BIT

WHY DO OIL AND WATER NOT MIX?

Water is a polar molecule – its structure means that it has a positive charge on one end and a negative charge on the other.

Water molecules stick together because the positive end of one water molecule is attracted to the negative end of another.

The structure of an oil molecule is different – it is non polar, which means its charge is more evenly spread out. In fact oil is hydrophobic (water fearing) so it tries to get as far away from water as possible.



WHY DOES OIL SIT ON TOP OF WATER?

The reason that oil rests on top of the water rather than underneath is because oil is less dense than water.

Geography

Mountains

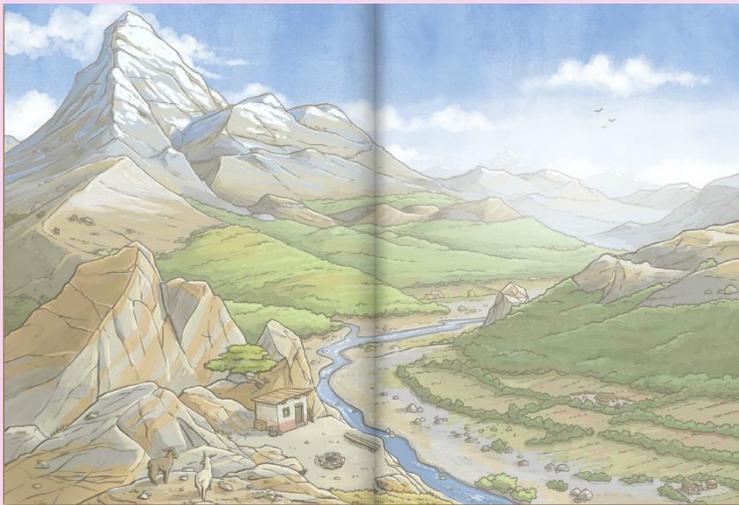
Using the geography of a mountain worksheet (attached at the end of this grid) try labelling each of the features of a mountain – the following websites may be useful when researching key vocabulary and will also help you to find out even more about mountains:

<http://www.primaryhomeworkhelp.co.uk/mountains.htm>

<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/z4g3qp3>

<https://www.nationalgeographic.com/science/earth/surface-of-the-earth/mountains/>

Super challenge: try writing a definition for some of the features of a mountain. For example: the **summit** is the highest part of a mountain or hill.



Get Active

60 Second Challenge Air Balloon

Can you keep trying even if you lose a life?

The Physical Challenge

Can you keep the balloon up in the air for 60 seconds?

If the balloon touches the floor you lose a life. The more lives you lose the lower your score.

#StayHomeStayActive



Equipment

A balloon

If you do not have a balloon, use scrunched up tissue paper or a bag!

Achieve Gold

Lose 0 lives



Achieve Silver

Lose 1 life



Achieve Bronze

Lose 2 lives



Home physical fitness

Core, stability and strength: Can you hold a plank position for up to 1 minute?

Flexibility: Can you sit on the floor with your legs wide apart, how low can you get your chest to the floor?

Speed: Can you do 10 star jumps faster than an adult?

See below for active bingo

Art

Tate Paint!

Using this website

<https://www.tate.org.uk/kids/games-quizzes/tate-paint> have a go at creating your very own masterpiece!



Pressing 'let's create' will allow you to choose a blank canvas which you can turn into anything you wish.

Alternatively, pressing 'inspire me' will provide lots of different ideas that may spark your imagination and provide a starting point for some amazing artwork.



Music

Practical Music Activity

Body Percussion with Ollie from The Beat Goes On on CBeebies Let's Go Club!

<https://youtu.be/QOh1P1ZcTaU>

Guided Listening Activity

Listen to this clip of music



[http://teach.files.bbci.co.uk/tenpieces/Doctor%20Who%20\(1963\)Theme.mp3](http://teach.files.bbci.co.uk/tenpieces/Doctor%20Who%20(1963)Theme.mp3)

1 Do you recognise this Music? If yes, where have you heard it before?

Can you hear the pounding bassline and a swooping melody?

2 Listen again and find two different coloured pens/pencils/crayons - one for the bassline (starting at the beginning) and one for the melody (which comes in over the top a bit later).

As you listen, draw the bassline running from left to right at the bottom of your paper (landscape and A3 paper would work well).

3 Listen again and draw the swooping melody over the top of the bassline with the other colour

Congratulations you have created a GRAPHIC SCORE! Some experimental composers do not write down their music using traditional musical notes, they make pictures which musicians can play from or create and arrange from memory or by ear

Active Bingo

Jump up and down in a space 40 times	Play musical statues	Ride a bike or a scooter	Balance on a part of your body for 60 seconds	Jump or move over a pillow 40 times	Play hide and seek
Hop, jump or stand on the spot for 60 seconds	Balance in a plank position	Pass a ball around your waist or head 25 times	Balance an object on your head	Keep a balloon in the air for 60 seconds	Perform 50 star jumps
Complete 20 shuttles (Walking, running or moving)	Skip or move for 2 minutes	Roll a ball across a table 10 times	Perform 40 of the same type of jumps	Create and complete an obstacle course	Throw or roll an object into a target 10 times in a row
Dribble a ball in and out of objects	Perform 40 squat jumps/sit fowards	Throw or roll a ball against a wall or with a sibling	Move and complete 10 laps of your house or garden	Perform 40 jumps	Play a new game with a sibling or parent or carer
Perform 30 push ups	Perform dance movements	Perform a short fitness workout	Perform 30 sit ups or lean forwards	Perform a gymnastics routine	Invent and play a new game

How to play:

Once you complete a physical activity tick it off
Can you complete the activities in green squares in less than 60 seconds?

If you are finding some of the activities hard change them or have a rest and continue.

When performing the activities make sure that you are honest.



Achieve Gold -



Complete all the activities on the card



Achieve Silver -



Complete a horizontal or vertical line of activities



Achieve Bronze -



Complete one activity from each line



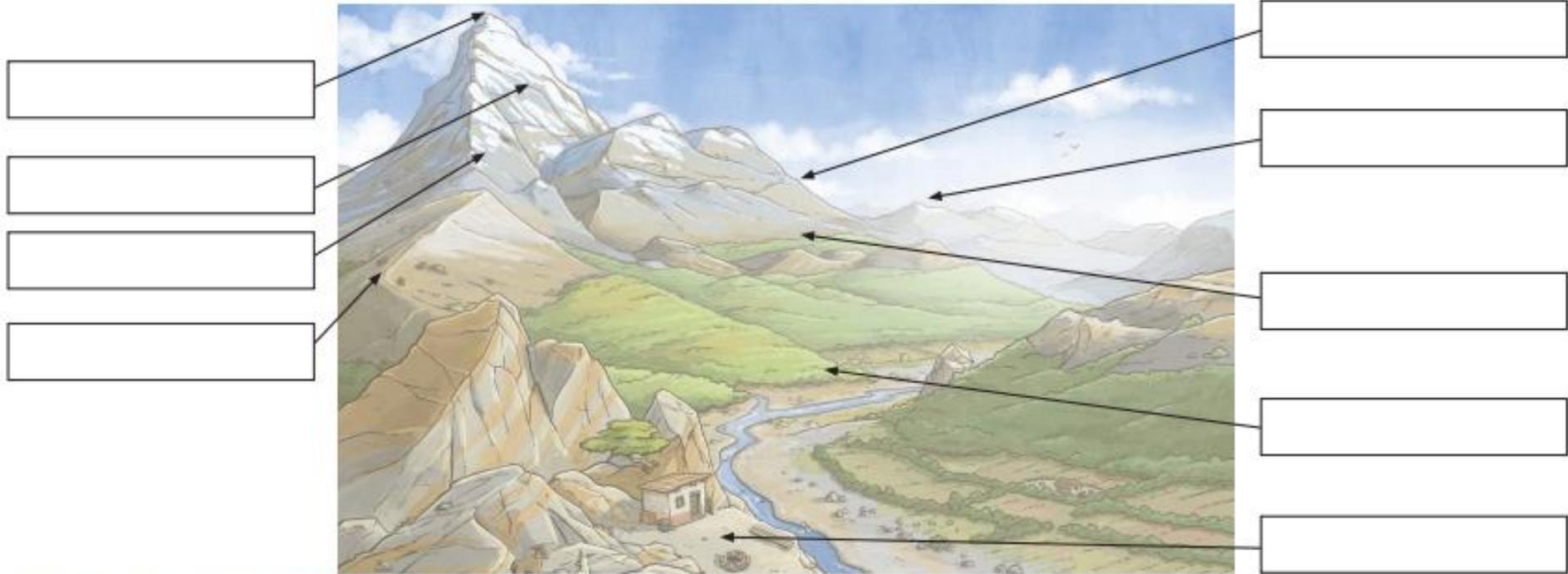
English Resources

A list of sentences to start playing the descriptive writing game with.

The man walked across the road.	The mouse ran away from the cat.
Danny sang at the concert.	Harriet baked a cake.
The dog jumped in the puddle.	The phone rang.
Anna unwrapped the parcel.	Mrs Edwards put her umbrella up.
The spider crawled on the ceiling.	The trees moved in the wind.
The door creaked open.	The rabbit ate some grass.

The Geography of a Mountain

Using the word bank, can you label the mountain's key features?



Challenge: Write a definition of each word and add it to the word bank.

base		plateau		face	
mountain range		ridge		tree line	
summit		snow line		slope	