Science and the Wider Curriculum - Planning and Ideas

Week Commencing: Monday 6th July 2020

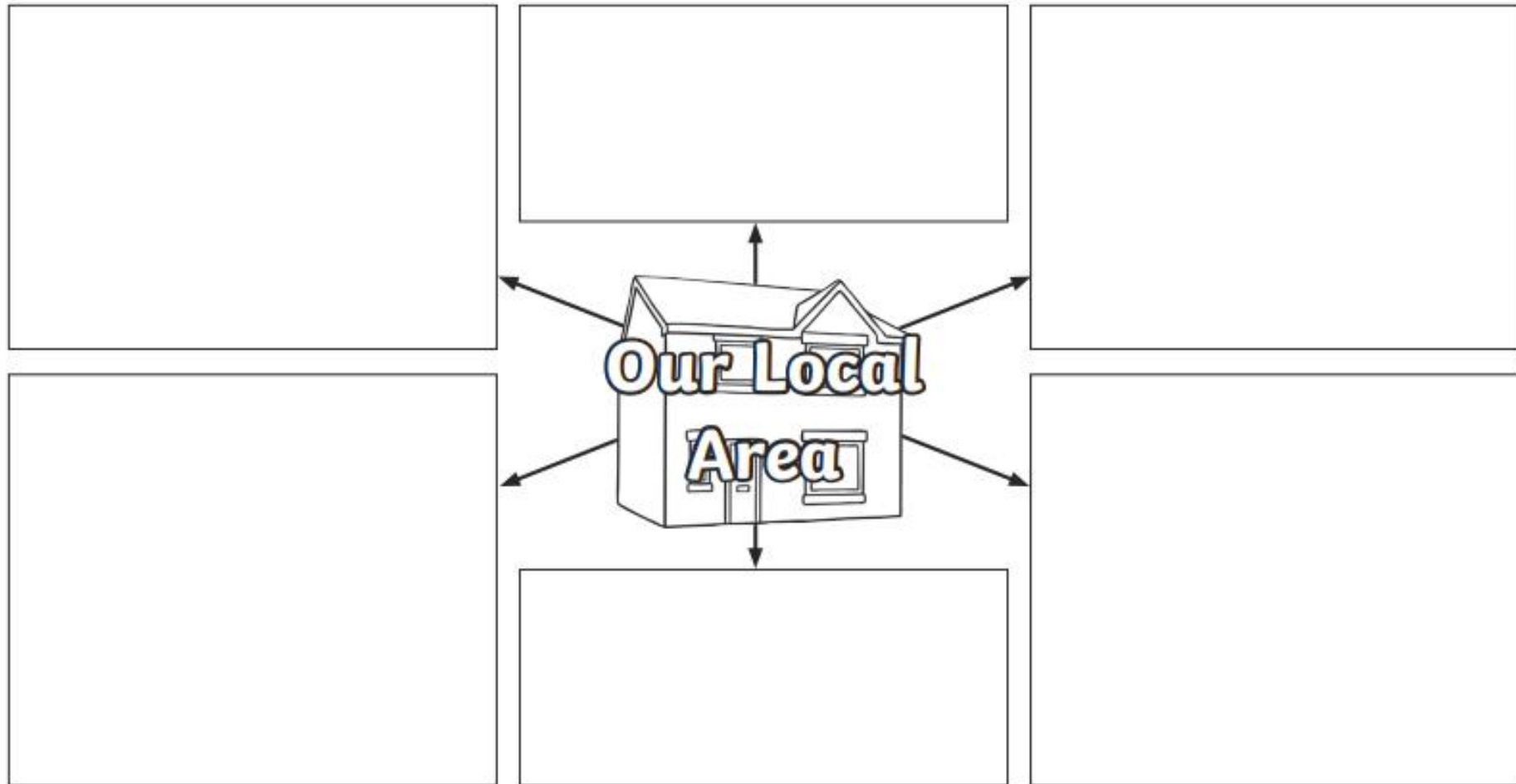**Year Groups: 3/4**

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	Subject: Geography LC: Can you research the History of local important buildings/features?	Subject: French LC: Can you recognise different weathers in French?	Subject: PE LC: Can you create and complete your own obstacle course?	Subject: Science LC: Can you create your own erupting volcano?	Subject: Art LC: Can you create a piece of art based on connecting across the generations for Children's Art Week?
Activity	**Starter**: What can the children remember about landmarks within their locality? Children to make a mind map of their ideas. **Main:** Explain to the children that many buildings and features within the locality will have important and interesting histories behind them. **Independent:**	**Starter:** Ask the children to make a list of as many different weather conditions as they can think of. **Main:** Using the vocabulary cards and go through some different weathers using images to help. **Independent:**	**Starter:** Children to think about the different obstacle courses they have seen and what type of resources they may need to build one. **Main:** Children to collect resources that they wish to use in their own obstacle courses.	**Starter:** Ask the children to make a mind map of everything they know about volcanoes. **Main:** Using the instructions below the children are going to conduct an experiment where they model a volcano erupting.	**Starter:** Children to think about what styles of Art they have covered recently at school, eg. Mosaics, Collages etc. **Main:** Explain to the children that across the UK from the 29th June to 19th July 2020 is known as Children's Art Week. The idea behind this that each week the

Children to use the worksheet below to research several places within their local area using image contrasts and key factual information about places in their locality.	Children to complete the wordsearch and find the missing weather words. As a challenge the children can look up any weathers they haven't got the French translations for and create an activity of their own to practice their weather vocabulary, such as dominoes where they could match the image of the weather to the French word.	**Independent:** Children to arrange the resources they have collected into a series of obstacles that they can complete. Children to take photos of themselves completing the obstacle course. Once completed the children should consider what they could do to improve the difficulty of the obstacle course.		children are encouraged to get involved in creating and observing art based around a different theme. Week 1's theme is the natural world. Week 2's theme is connecting across generations. Week 3's theme is literacy and creative writing. **Independent:** The children are to research different art works that represent the theme of connecting across the generations and use these as inspiration to make their own piece of art that demonstrates this theme. The children can use whatever style of art they wish and whatever resources they have access to.

Our Local Area Research Map

Fill in the map with facts and pictures from your research and make links between any that have a connection. You could include questions that you might research another day.

French - Tuesday 7th July 2020

la neige	le temps
le nuage	le soleil
la pluie	le vent
l'orage	

French Weather

```
T  H  K  T  G  N  E  F  A  P
U  E  S  B  E  U  T  K  D  R
E  A  M  G  I  A  N  B  P  R
H  C  I  P  E  G  E  B  O  W
C  E  X  X  S  E  V  M  R  D
N  I  D  L  G  G  W  P  A  B
L  I  E  L  O  S  L  P  G  X
Y  R  F  C  R  U  C  R  E  S
T  F  K  P  I  J  Y  S  K  Y
I  O  C  E  J  W  K  E  O  I
```

NEIGE
PLUIE
VENT

NUAGE
SOLEIL

ORAGE
TEMPS

PE – Wednesday 8th July 2020

Resources children choose to use for their obstacles.

Science – Thursday 9th July 2020

Make Your Own Volcano
Science Activity

You will need:

1. Washing up liquid
2. Vinegar
3. Plastic cup
4. Bicarbonate of soda
5. Red food colouring

You could build a paper mache volcano and put the cup inside it for extra effect!

Method:

1. Fill your cup just over half full with water, add 3 teaspoons of bicarbonate of soda and give it a good stir until most of the bicarbonate of soda dissolves.

2. Add two drops of red food colouring and a good squirt of washing up liquid into the cup and once again give it a stir.

3. Make sure your volcano is in the kitchen or outside (or somewhere you don't mind making a mess).

4. Quickly pour in just under a quarter of a cup of vinegar and enjoy your very own volcanic eruption!

The science behind it:

You just made a chemical reaction! By mixing the acid (vinegar) and the alkali (bicarbonate of soda), bubbles of carbon dioxide (CO_2) were released like in a pyroclastic flow. A pyroclastic flow moves very fast and is extremely dangerous, whilst lava flows move slowly and aren't much of a threat.

<u>**Art - Friday 10th July 2020**</u>

<u>Resources</u>

Any materials the children decide they may like to use. Some examples may include:

-Coloured Paper/Card
-Felt Tips
-Crayons
-Tissue Paper
-Glue
-Scissors
-Sequins

<u>**Where can I complete further work?**</u>

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

Oxford Owl – Free ebooks and reading resources available when you create a free login.

Phonics Play – Subscription service is offering free access to their learning resources during this period. Follow the link for details on how to gain free access.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.