Home-Learning Ideas – 1 Theme: Rainbows UKS2 (Y5/6)

When a learning activity has been completed, the box can be coloured in. When the all the boxes have been coloured – try the challenge boxes

English

Before reading the text, make yourself a glossary by finding out the meanings of the following words:

Depicted Disperse Interacts Internally Interacts Majority Meteorological Properties Reflected Refraction Spectrum	

English

Underline, or make a note of the following:

- How rainbows are formed
- Key facts about rainbows

Make a list of the different types of rainbows with a definition

English

Make a key facts sheet about rainbows for a Y3 child

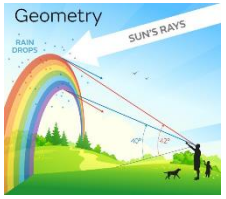
English

Sit down with someone else and tell them what you have learnt about rainbows.
Use your diagram and information leaflet.
Make sure you use some of the vocabulary you have included in your glossary.

English Challenge

Write an information leaflet about rainbows using the appropriate vocabulary. You can illustrate it with labelled pictures and diagrams

Key Text: How Rainbows are Formed (Met Office)



https://www.metoffice.gov.uk/weather/learn-about/weather/optical-effects/rainbows/how-are-rainbows-formed

Maths Challenge

Rainbow Spinner Maths

Do this after you have completed the science box.

Maths

Make yourself a Magic Multiplication Challenge with a pot of gold at the end. Put in it the tables you are working on. Every day, see how far you can get in a minute

Maths Challenge

Mild	Hot	Spicy
25	189	177.2

Put a number in your pot of gold. Use this number for each of the following:

- Add 85
- Subtract 39
- Multiply by 8
- Divide by 2
- Multiply by 100
- Divide by 10
- Find as many factors as possible
- Round the number to the nearest 10
- Put the number in a sequence of numbers What is the rule of your sequence?

English

Draw a poster to explain how rainbows are formed

Label with key words and captions

Art

A lot of children around the country are drawing and colouring rainbows and sticking them in windows to cheer people up. How about adding in some challenge:

- Divide each section of the rainbow with patterns
- Colour these in different shades – this might be by pressing on lighter and harder and/or using different media eg. colour pencils, crayons, felt tips, gel pens etc
- Use different materials to create a collage

RE/PSHE

In the Christian faith, rainbows represent a sign from God.

Find out about the story of Noah and make a cartoon strip to show this story and explain the importance of the rainbow

Science

Make a rainbow spinner and investigate what happens when you spin it.

What do you find out?

If light travels in straight lines, can you see round corners?
Try making a periscope and explaining how it works…
https://learning-resources.sciencemuseum.org.uk/resources/periscope/
Tip… if you haven't got small mirrors, would kitchen foil on card work?