

### Spoken Language:

Children will be encouraged to listen and respond appropriately to their peers and ask relevant questions to extend their understanding and knowledge. Hot seating activities in reading and writing.

### Writing:

The children will learn the skills of writing instructions of how to make a potion. They will also learn skills to write a description of a potion that they have made.

### Engage:

What is a potion? When/where have you seen a potion before? The children will observe a 'potion' bubbling in a cauldron and discuss what they see. They will sort objects into solids, liquids and gases and then make oobleck which behaves as solid and liquid!

**Key Question: How do materials change their state of matter?**

### Maths:

- Multiplication and Division
- Area
- Fractions

**Computing: Microbits for repeating patters.**

Children will learn how to code in order to create repeating patterns.

### Science:

Pupils will learn about the differences between solids, liquids and gases, how to classify materials and how some materials can change state. They will have opportunities to undertake practical experiments to help them understand the processes of melting, freezing, evaporating and condensing. Through their practical work, the children will learn the skills of observing, describing and explaining the changes that occur.

## Potions



### PE:

The children will develop dance skills. These will be taught by a professional dance coach.

### Spanish: My Family

The children will learn key vocabulary to talk about members of their family and to ask and answer questions about their family.

### Art:

#### Artist Study: Henri Matisse.

The children will look at a range of his work, with a focus on his collage techniques both the colours that he uses and the shapes in the collage.

They will learn skills with shape, layering, pattern and cutting for collage, applying these skills to create their own collage in the style of Henri Matisse.

**Prove It:** Children will work in a small group to prepare a demonstration which answers the key question. They will prepare a verbal explanation and key vocabulary to use when explaining to parents at the topic showcase.

**Topic Showcase: Thursday 13th February 2:30pm**

The classroom will be turned into a potions lab. Children will show demonstrations linked with matter changing states and explain what is happening based on their scientific knowledge.

**RE: Wisdom: Sikhism.**

### PSHE:

Dreams and Goals –the children will learn how to achieve goals and consider the different emotions that go with it.

### Music:

Learning to sing the Potions song, with musical accompaniment and then composing their own piece.

# Things to explore with your child!

## PE:

Germany: Monday and Wednesday

Italy: Monday and Wednesday

Poland: Wednesday and Friday

Spain: Wednesday and Friday

## Home Learning:

Spelling home learning tasks will be assigned on Teams each week. We also use *Times Tables Rock Stars* for home learning, which your child has their own log in for.

Home learning is set on a Thursday and is due on a Tuesday.

## Reading:

We encourage you to listen to your child read every day for at least 20 minutes and fill in their reading sunflower.

If you can, visit the local library so your child can be inspired by new books and authors.

## Writing:

Over this half term we will be learning about instruction and description writing.

Discuss with your child: Look at any instructions you have at home – recipes, craft instructions, game rules. How are they set out? Can you follow them together to make something?

If possible, visit your local library and find some portal stories and instructions to read together.

## Maths:

Practise times tables with your child as often as possible (ask them to teach you some of the games they have learnt at school for this).

Encourage your child to go on Times Tables Rock Stars at least once a week in addition to completing their home learning. There are some really fun activities on there and it will help to improve their fluency in maths.

## Science:

Discuss with your child which materials will melt when they are heated and turn back into solids when they are cooled.

When out and about, discuss why they can smell certain objects from a distance, such as perfume, before looking at evaporation and exploring some examples of evaporation in everyday life, such as clothes drying on a washing line.

## Useful websites and resources:

Here are some useful online games which can be found by typing the names into Google.

**Hit the Button** (for times tables and number bonds)

**Mental Maths Train** (four operations)

**Geoguessr** (geographical knowledge)

**BBC Bitesize** has lots of excellent science information to share with your child.

# HOME LEARNING PROJECT IDEAS

## Year 4 Potions

Make a list of all the solids, liquids and gases you can find at home. Are they stored safely?

Make a homemade potion using things found at home. Remember to work with an adult!

Design & draw your own potion that has magical properties then write a set of instructions for it.

Visit your local library to search for stories about potions. Write a review on one.

Design and make a label for your own potion bottle using a bottle you find at home.

Make a sketch of any interesting bottles you have at home. Remember to add pattern and shading.

Make ice lollies at home. Can a surprise ingredient reveal itself as they melt?!

Write a poem to cast your own spell – who will you be casting your spell on?



Please complete at least one activity. Bring these into school on Monday 6<sup>th</sup> February