**Year 6 Knowledge Organiser: Spring 1**

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**PHSE**

We will be looking at how the media can influence people. We will be exploring adverts, social media and how they can impact on the way people perceive the world around them.

**D.T**

We will be exploring sustainable systems and will be planning and designing sustainable models of areas around school.

**Science**

We will be looking at light. We will be looking at the structure of the eye and will be naming parts of the eye. We will also be looking at the spectrum within light, reflection and how a periscope works. We will be constructing our own periscopes using cardboard and testing them out in groups!

**History**

This half term, we will be exploring the topic of The Vikings. We will be looking at which period of history they existed in and what was going on at the same time elsewhere in the world. We will also be exploring where they came from, how they lived and their beliefs. We will be writing a discussion text as to whether their brutal reputation is well deserved.

**Reading**

Our class author this half term is Abi Elphinstone and we are currently reading ‘Dreamcatcher’ as our class read aloud. Our reading lessons consist of vocabulary, where we explore root words and a component of close/extended reading sessions. We also focus on skills sessions, which support pupils in preparation for SATs. This half term, we are reading: The Arrival, Letters from the lighthouse, On the move, The Proudest Blue and the Autobiography of Ibtihaj Mohammad.

**PE**

P.E is on Thursdays and Fridays. Please ensure that your child brings their P.E kit. This half term they will be doing dance and fitness.

**Religion and World Views**

This half term, we will be exploring:

In what diverse ways do Hindus build a sense of community? We will be looking at Hindu festivals and perceptions of community.

**Music**

We will be using Charanga to produce music using glockenspiels. We will practice and learn how to play a song and will perform in assembly

**Maths**

This half term we will be focusing on converting between fractions, decimals and percentages. We will also be looking at ratio and algebra. In our daily 20 minute retrieval sessions, we will be exploring multiplying and dividing by 10,100,100, the 4 rules, finding fraction and percentages of amounts, adding, subtracting and multiplying fractions

and resolving reasoning problems.

**Writing**

**Writing to entertain-** We will be exploring the wordless novel ‘The Arrival’ and will be using this as a basis to write our own multi-text narrative exploring the ideas around migration.

**Writing to inform -**We will be reading some biographies about inspirational leaders and will be writing our own biographies about a bold, visionary and inspirational person!

**How to help at home…**

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**History**

Please visit the following link and watch the videos on Viking longboats. Maybe you could help your child to make a Viking longboat and test it on water!

https://www.youtube.com/watch?v=kge0c2mNmRQ

**Science**

Watch the following video on light to help your child understand how the colour spectrum is formed:

-https://www.youtube.com/watch?v=9Vsl0Iom3S0

The following video will support your child in understanding how a periscope works: https://www.youtube.com/watch?v=NLN3nL36EZs

**Maths**

Help your child to convert between fractions, decimals and percentages. Follow this link to understand the method:

<https://www.youtube.com/watch?v=-Xt4UDk7Kzw>

Please ensure that your child is practicing their times tables by visiting TT Rockstars daily.

**Writing**

Explore stories of migration (moving from one place to another) in your family’s history, through friends or by researching well-known individuals. Help your chid to research the reasons why an individual would migrate and groups of people that have migrated throughout history. It would be incredible if your child could bring in any pictures/stories of people who they know that have migrated.

**Reading**

Please ensure that you listen to your child read everyday and record their reading on the online reading record by clicking on the link sent to you by learningwithparents.com. You can do this in the form of a recording, picture or simply a comment. Ask your child the root words that they have been learning in shared reading sessions and ask them to identify as many words as they can from their reading books containing the root word.