

Kingfisher Hall Primary Academy

Spring Term 2019 Year 5

English

As discussed in our previous curriculum letter, Year 5 are working in their classes from our new 'Literacy and Language' scheme, developed by the same team that created our phonics programme. This scheme introduces the children to a range of age-appropriate texts and writing techniques. Through structured class reading and discussion, the children incrementally plan their extended writing. For comprehension, Key Stage 2 are still using Comprehension X' in which ten key transferrable comprehension skills are taught through a variety of interesting texts.

Our areas of study for Summer are based around the works of Jeremy Strong, and will focus on both fiction and non-fiction writing including; writing a creative, episodic story, and creating biographies for different figures and role models.

Maths

We are now using *Inspire Maths*, UK's version of the highly acclaimed Singapore maths programme. The curriculum places an emphasis on building children's deep contextual understanding and problem solving, through developing key skills and concepts around a CPA approach (Concrete, Pictorial, Abstract).

Children will be supported and guided as they work collaboratively in pairs or small groups through guided practice activities. This will help to develop a deep understanding of mathematical concepts, language and reasoning through collaborative work. It will also provide further opportunities to check children's understanding by observing their use of concrete apparatus such as Numicon, Base 10, cubes and counters. This guided practice will develop children's deep understanding and fluency required for mastery.

Our areas of study include;

- Fraction to decimal conversions (and the inverse)
- Improper fractions to mixed numbers conversion (and the inverse)
- Find the product of fractions
- Adding and subtracting mixed number
- Worded problems

Science

Our Science topic for the first half term is based around space and the Solar System. We begin our studies by investigating our own planetary satellite - the Moon. The children will then move onto studying the structure and build of our Earth, the Moon and the Sun. This topic includes an in depth research project of the different planets of the Solar System, their features, and how they remain in orbit of each other. This subject is very informative, and engaging, and allows the students to get a real understanding of how our universe works.

During Summer 2, our focus shifts to matters found closer to home; ecology. We begin this investigation by discussing what this type of science actually is, and then move to more physical studies. We will investigate how tsunamis, earthquakes and volcanoes impact on the environment (as studied previously in Geography) and also the impact of weathering on rocks of different types. Although this subject is very diverse during the Summer, each of the sessions builds on the last, giving detailed and informative learning materials.

Topic

Geography

This half term we are focusing on the Yorkshire Dales and why sites of natural beauty are important to the economy and the environment in general. This in-depth study will involve the identification of naturally occurring and manmade sites, and what they have done for tourism, preservation and the support of the area.

We will then begin to look at energy production, and how it impacts on the world. This will include investigation into different forms of both renewable and non-renewable energy sources; this includes the controversial introduction of wind farms around the country.

The children will discuss the benefits of renewable energy and why it is important to the global environment, whilst considering the impact these sites can have on the environment in which they are built.

History

During Summer 2, Year 5 will delve into the political and social state of affairs in Europe during the 18th Century. This topic begins with Pre-Revolutionary France, and an investigation into the social structure of the time. We will be using historical sources and data to discuss how each of these contributed to the French Revolution.

Our lessons will move onto the storming of the Bastille, the freeing of the prisoners and the seizing of power, and how these events caused the downfall of the French aristocracy. We also take an in depth look at the execution of King Louis XVI at the end of the 18th Century and what this meant for society in France over the coming years.

Finally, we will be studying how these events paved the way for the rise of Napoleon Bonaparte, and his attempts to conquer Europe before his eventual imprisonment and death.

RE

For our Religious Studies lessons, Year 5 will be studying the various figures of authority within different religions, and how they impact on their religions, the people under them and the wider communities in which they are based.

Computing

Spring One: "We are Bloggers"

This half term, the children will be focusing on the online community, and the prevalence of blogging, and social media influencers. This will include the explanation of different types of online interview, blogs and vlogs and why they are so important to the Internet and online world. This will culminate in their design and creation of a blog / vlog.

Spring Two: "We are Architects"

In the second half of the term, the children will be looking at the use of ICT products and software for real world applications, namely architecture. The children will be introduced to bespoke programming which is used worldwide for 3D designing of buildings, landmarks and so forth. They will also learn the importance of blueprints, and the key skills required to transfer plans to physical objects. Finally, they will work to recognise situations where in fact, plans need to be edited in order for the good of a project.

Art and Design

There is a focus this half term on the artwork of Africa, in particular African Masks. The children will spend a number of sessions designing, planning and building their own masks based around the artworks of different tribes and areas of Africa. This will include an in-depth study of why the masks are so important to different peoples, and how and why they are used. This will involve studying the varying forms of ceremony and rites of passage experienced by these people. We will also be working to recognise the importance of line and colour to create effective artworks.

Our second half term is a cross-curricular opportunity, connected to our Science studies of Summer 1, and will be based around the use of artistic techniques to create planetary and star systems. The children will be making use of different materials, and techniques, to create art work similar to the works of Mark A Garlick. The children will be trying to create a sense of vastness, and motion, in still pieces through the use of 3D techniques, colour choice and accurate representations.

PE

During PE during the Summer term, we focus on a number of variety of sporting activities and skills, which are based around individual performance, team games and the improvement of general health and stamina. We begin the half term with a recap of previously studied topics, such as hockey and netball to re-introduce the children to the idea of collaboration and team strength. We will then begin to study activities such as running, relays and other such stamina based sports.

In Summer 2 we move further into the idea of track and field sports, moving into areas such as javelin, shotput and hurdles. These activities will also begin to prepare the students for sports day later in the term.

There are a number of opportunities for students to develop their confidence and collaborative skills during these sessions, as they must work as a team, and be reliant on their peers for support and guidance. We spend time working on the importance of hand-eye coordination, general pace and reflexes, stamina, stretching and of perseverance and confidence.

Homework

Homework is supplied to the students on a weekly basis from their class teachers. These will include; Maths and English homework, and the children are expected to be studying their times tables and Year Group Spellings throughout the year. The statutory spellings are available online, and are segmented into year groups for ease. Reading is an integral part of the homework given, and should take place for a minimum of 15 minutes per day, read aloud to yourselves.

Maths: Any homework supplied relating to Mathematics will be connected to the learning which has been occurring during the week, or to areas which are focus topics for the students; these may have been covered during interventions.

English: These materials may vary in style dependent on the learning taking place, or the learning which is due to take place. Some examples might include; short story writing, comprehension tasks, diary entries or research based activities.

Any homework involving research should be monitored by yourselves to ensure that materials gathered are appropriate for your children.