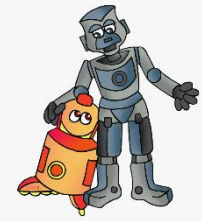


# Year 3 Topic Web

## Autumn 1 - 2021

### Mighty Metals



	What we will be covering in class	Supporting your child's learning at home
Engage	The children will be whizzing into this topic by making paper spinners. They will be challenged to make the longest spinning top using different materials and trying out different surfaces. They will then advance onto origami ones to help find out who will be the Ultimate Spinner in the class!	<p>Talk to your child about what they have learnt about metals. Look for examples in the house of how things operate using metal, levers, pulleys and components. Involve your child in fixing something that may be broken or putting something together so they can see how it fits with precision.</p> <p>Please also continue to support and encourage your child to practise their multiplication facts at home. Each week there will be a new times table to focus on. They should know all times tables up to x12 by the end of year 4!</p> <p>Telling the time is also a crucial life skill so please check your child reads the time on both digital and analogue clocks, including 24-hour times.</p> <p>Spellings will continue to be given out every week and will be tested on a Monday morning. Please encourage your child to practise these and fill in the sheet.</p> <p>Regular reading (both quietly and to an adult) is very important, as is a book at bedtime!</p>
Develop	Our Mighty Metals topic will continue by getting those young scientists to work. They will conduct experiments that will involve measuring forces and deciding on materials, that enable objects to travel faster. Part of this will be to measure the strength of forces and complete a table to record their results.	
Innovate	The Iron Man, the main character from our novel study, is looking for a friend to keep him company. Children are going to be asked to design a prototype friend that can stop him from being lonely using various materials.  But who will he choose?	
Express	This is an opportunity to present their companion by discussing how they made their robotic friend for Iron Man, but also providing us with a list of instructions on how he can be operated. A must if he is going to be a lifelong companion!	

Maths	Children will start the year by securing their place value knowledge and understanding and will then move onto mental and written addition and subtraction methods.	
English	Children will be writing narratives as well as explanation texts about an invention that uses pulleys, levers and a force action. To finish off the unit children will also explore features of poetry and write a molten metal poem using similes and metaphors.	
Science	Our Mighty Metals topic is brimming with scientific investigations about forces, magnets, metals, push and pull action, pulleys and levers. We will be conducting many experiments that involve children exploring how things work and how they can adapt them to make them more suitable for a different use. Children will be recording their findings in a scientific way too.	
Art	We will be using mixed mediums to create backdrops for our poetry to show the effects of metals and related objects.	Music This half term we will begin our work from the new Kapow scheme of work, our first unit is all about Ballads.
Computing	In computing this half term, the Year 3 unit will explore the history of robots and then get to program a robot around a maze.	RE We will be learning about Hinduism in RE this term and will be comparing it to other religions.
D & T	Children will become designers of Iron Man's companion. They will explore how to construct effectively using different materials and joins. They will plan and design then make their ideas come to life!	PSHE This half term will start with a transition unit to enable children to settle in their new classes and support children's mental health and well-being by focusing on Growth Mindset lessons. They will then explore our unit 'TEAM' where we encourage everyone to work together.
History	No history this half term!	French The first French unit is 'Getting to know you' and will look into common phrases used in the French language. We will practise asking and answering questions in French!
Geography	No geography this half term!	PE Our Real PE focus this half term is Personal Skills. We will focus on how to preserve in an activity and challenge ourselves. This will involve working together and helping each through different games, activities and challenges.