

Title: We are Inventors!



Year: 6

Subject Focus: DT / STEM

Rationale: In our 'We are Inventors' topic, children develop their understanding of what it means to be a member of a high performing team. They are taught strategies to enable them to work successfully with others and learn innovative ways of creating, recording and analysing their thinking. They will reflect on the type of learner they are and explore a range of learning strategies to support the learning of spelling patterns and rules. Children's analytical and reflective thinking skills are triggered as we begin to study the novel "Wonder" by RJ Palacio, which is continued through our English lessons throughout the term. Through this inspiring text, children learn about differences, respect, empathy, friendship and bullying. The children will reflect on the obvious and more subtle impact that words and actions can have on other people.

Start Date: 3rd September 2020

Opportunities for Home Learning:

End Date: 23rd September 2020

Children are asked to apply and use the spelling strategies reviewed in class when learning their weekly spellings.

How will we use Bloom's Taxonomy to deepen learning:

Children will **understand** and **apply** their teamwork skills in a Build a Rocket Car challenge and then **analyse** and **evaluate** their effectiveness. They will develop and **create** their own methods of recording their thinking through a range of thinking maps. Children will reflect on how they learn best as spellers and will **apply** a range of spelling strategies throughout the year.

Outcome:

Children's thinking is reflected in a selection of high quality thinking maps. Children will have developed a greater sense of identity as a class group and have a range of skills enabling them to manage their own friendships in a more positive way. They will have identified strategies on how best they learn new spellings.

Hook:

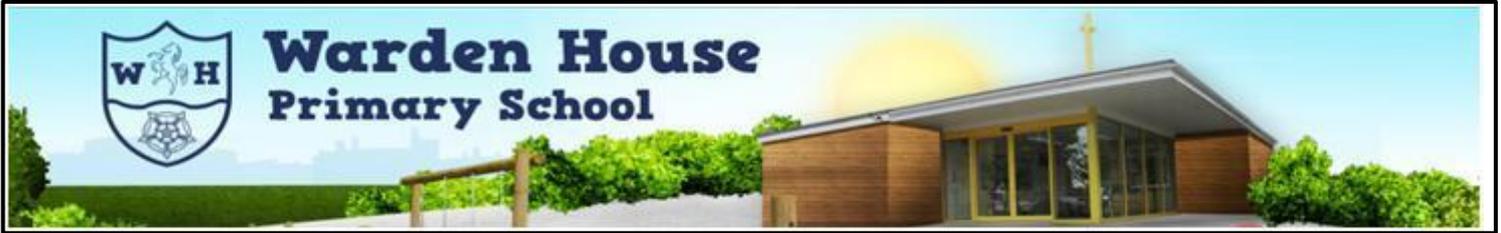
Children will research and learn about the Wright Flyer and other inventions that changed the world. Children will be asked to begin considering whether they would like to take a lead role in school life as part of the executive board of the School Council and prepare for hustings and campaigning.

Sharing Success:

Parents will get the chance to view the style of work in their books prior to parents evening and provide feedback to the teachers. They will also be able to share in the way they choose to learn their spellings at home.

How will we embed our school values?

Children will reflect on themselves as a learner and their role within the class to achieve greater success in class partnerships. They will identify a range of responsible attitudes and behaviours through Wonder and then reflect on how this will enable them to be successful in year 6 and beyond.



Milestones Covered in this Topic:

Lead Subject:

PSHE

- Children will demonstrate that they recognise their own worth and that of others (for example by making positive comments about themselves and classmates).
- They will express their views confidently and listen to and show respect for the views of others.
- They will identify positive ways to face new challenges in team work tasks.
- Children can explain how actions have consequences for themselves and others.
- They can describe the nature and consequences of bullying, and can express ways of responding to it.

Other Subjects: Speaking and Listening

- Negotiate and compromise by offering alternatives.
- Offer alternative explanations when others don't understand.
- Ask questions and take an active part in discussions.

DT / STEM

- Combine elements of design from a range of inspirational designers throughout history- giving reasons for choices.
- Show an understanding of the qualities of materials to choose appropriate tools to cut and shape (such as the nature of fabric- may require sharper scissors than would be used to cut paper).
- Design with the user in mind, motivated by the service a product will offer.