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| **Year 5 Topic: Inventors and Inventions Spring Term 2, 2018/2019**Below is a summary of what your child will be covering in each subject with suggested activities you could do to support the work done in school. |
| **English:**In English, we will focus on:* Looking at non-fictional writing
* Developing report writing skills
* Deepening our understanding of explanation texts.
* Continuing to develop our understanding of grammar and its uses within literature.

**Parents please would you:*** Read every day with your child and write a comment in their reading record.
* Please ensure your children has learnt the spellings for their weekly spelling test and know the meanings of the words.
* Encourage your child to use Doodle English
 | **Maths:*** We will be reviewing knowledge of 2D and 3D shapes.
* We will further develop understanding of angles and how to use a protractor.
* Understand the relationship between improper fractions and mixed numbers.
* Deepening our understanding of perimeter, area and volume.
* Investigate how to multiply fractions.

**Parents please would you:*** Ensure your children know all of the times tables to 12x12 with immediate recall of the number facts.
* Children will be developing their arithmetic skills each week, please support your child with the particular area of arithmetic they have been practising in class.
* Encourage your child to use doodle maths
 | **Science:****Focus:** * We will be observing the life cycle of insects.
* Identifying the effects of air resistance and friction on a moving object.
* Planning different types of investigations, recognising and controlling variables.
* Reporting and presenting scientific findings, identifying scientific evidence and use it to support or refute predictions.

**Parents please would you:*** Look at and talk to your child about different inventions around your house and community.

  | Computing:We will be:* Using a variety of programs that help the children develop their coding skills.
* Using computers and tablets to research different inventions and inventors.
* Learning more about e-safety.
* Using word-processing and editing programs to produce their work.
* Using raspberry pi to develop coding skills.

**Parents please would you:*** Talk to your child about staying safe online.
* Introduce your children to different podcasts.
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| **P.E:** Gymnastics: We will* Develop our sense of movement and balance.
* Learn about the importance of warming up and down before and after exercise.
* Develop strategies for effective teamwork.
* Take part in the Daily Mile.

**Parents please would you:**Ensure your child has the correct PE kit in school. Each item must be clearly labelled with your child’s name. PE kits remain in school for the duration of the half term. | **History:**We will:* Learn about how different inventors have changed history through their inventions.
* Investigating a number of inventors (Wright brothers, Alexander Graham Bell, Thomas Edison, Grace Hopper and Steve Jobs).

**Parents please would you:*** Answer any question your child might have about these inventors.
* Allow children the opportunity to read books / watch documentaries that are pertinent to the topic.
 | **R.E:** **Topic- From Lent to Easter**We will be:* Discussing how Christians prepare for Holy week.
* Focus on the gospel of Luke and his telling of the Passion.
* Explain the purpose and history of the Stations of the Cross.

**Parents please would you:*** Ensure your child reads their copy of ‘The Wednesday Word’ each week.
 | **Personal, Social, Citizenship, Health Education:** We will be:* Having weekly P4C (Philosophy for Children) sessions.
* Showing the children that everyone’s opinion has value and is valued – even opinions that are different from our own.
* Continue to develop skills working as a team and within small groups.

**Parents please would you:*** Encourage your child to voice their opinion and consider the opinion of others.
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| **Art /Design Technology:**We will:* Be constructing miniature aeroplanes.
* Construct a balloon-powered car with recycled ‘junk’.
* Observe and investigate light painting photography.
 | **Music:**We will be:* Having weekly singing lessons.
* Looking at different songs and using our comprehension to understand meaning.

**Parents please would you:*** Encourage your children to take part when singing.
* Allow children the opportunity to listen to styles of music they may not have heard before.
 | **Useful websites:*** <https://www.cbc.ca/kidscbc2/the-feed/kids-have-great-ideas-6-famous-kid-inventions>
* <http://inventivekids.com>
* <https://www.thinkuknow.co.uk/parents/>
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