

Year 5 and 6 Home School Ideas (Maths/Science/Art/DT/PE) 4/5/20 - 15/5/20

Hello year 5 and 6,

I hope you are all still safe and trying to focus at least an hour everyday on some work. Remember to try and do some Maths and English every day and pick one other subject to keep your mind busy!

Maths

For the next two week we shall continue to use the White rose lessons:

<https://whiterosemaths.com/homelearning/year-6/> (Majority of Year 5 pupils should follow year 6's work, Lower level year 5 to follow year 5s lesson or may even benefit from year 4's lessons)

· Please select SUMMER TERM Week 1. Here there are 4 lessons and a maths challenge on Angles within shapes. Watch the 5-8-minute tutorial and complete the worksheets by clicking on 'get the activity'. There is also the answer sheet to check your understanding click on 'get the answers'. We have done some work in this in class so this will be a good refresher and will help you to extend your knowledge.



- After you have completed these 5 lessons, SUMMER TERM week 2 continues to develop your understanding of angles and moves on to quadrilateral and polygons. There are also two lessons on problem solving which as a class we need some more practice in!

Extension work:

Complete the Sats questions with you tube tutorials:

Week 1: Angles: <https://drive.google.com/file/d/0B3QfTi0AEvZuejJMbWhSczh5ajA/view>
<https://drive.google.com/file/d/0B3QfTi0AEvZuejJMbWhSczh5ajA/view>

Week 2: Problem Solving: <https://drive.google.com/file/d/0B3QfTi0AEvZubVAtaks1MWM5MUU/view>

For other maths activities:

- Complete **Daily 10** activities using <https://www.topmarks.co.uk/> These test quick mental arithmetic in a fun way! (have a look on the website for other fun games)
- Sats questions with tutorial videos. The children have used this a couple of times in lessons. There are past SATS reasoning questions for children to practice with you tube tutorials for each question. https://garyhall.org.uk/Ultimate-KS2-Maths-SATs-Organiser-Y5-6-1.pdf?fbclid=IwAR0m7cmOtkiwWStishvVtgeIID_0GoU_p5sjlpUy6DS2YXxVmm7iuiLxWml
- Access past KS2 SATS maths papers and mark schemes. <https://www.gov.uk/government/collections/national-curriculum-assessments-practice-materials#key-stage-2-past-papers>

Science

This term we are looking at Evolution and Inheritance

Week One: **Inheritance** <https://www.bbc.co.uk/bitesize/topics/zvhhvcw/articles/zp9f4qt>

Watch this bitesize clip on Inheritance. Find some family photos of all your family. Investigate the characteristics you have inherited from your parents by closely examining their photographs and your own. Write down what you think you have inherited from that parent or member of family. Then have a think, are there any acquired characteristics from your family you have inherited? Have you learnt some of the same characteristics such as good at swimming or singing? How could you display your findings? Poster, leaflet, report, PowerPoint, news article?

Week Two: **Adaptation** <https://www.bbc.co.uk/bitesize/topics/zvhhvcw/articles/zxg7y4j>

After watching this bitesize clip research three different animals and find how they have adapted over time for survival. Learn this song <https://www.youtube.com/watch?v=YpGg-m8wyY4>. In previous years we learnt this song for homework and had a x factor style performance. Can you make a rap and change one of the versus for one of the animals you have researched?

Physical Education

- On some of your daily exercise, time yourself running, walking or cycling 1km or for the more energetic 3 km (you could use apps like map my run or Strava). See if you can beat your PB and get quicker. You could even link this back to our Science topic at the beginning of the year and measure your heart rate and record them in a table.
- Practice your aim by creating a target practice in you garden, throw or kick balls into areas you have marked out (give each area a score and compete against family members to earn the most points)
- Design a daily fitness challenge for yourself and your family members to compete.

Design and Technology

Have a look at this website for ideas that you may be able to make in your garden to help the wildlife <https://www.rspb.org.uk/get-involved/activities/give-nature-a-home-in-your-garden/garden-activities/build-a-bug-hotel/>

Art

Have a look at the artist Romero Britto. Romero Britto is a Brazilian artist, painter, serigrapher and sculptor. He combines elements of cubism, pop art and graffiti painting in his work, using vibrant colours and bold patterns as a visual expression of hope, dreams and happiness.

Have a look at his studio here:

<https://www.youtube.com/watch?v=AfBqG11XCCg>



Have a go at doing your own self portrait with this YouTube tutorial

<https://www.youtube.com/watch?v=YP-Ua9qh5ls>

ICT

Why not have a go at basic programming and coding using online tools. The following websites currently offer free access:

Blockly Games is a series of educational games that teach programming. It is designed for children who have not had prior experience with computer programming. By the end of these games, players are ready to use conventional text-based languages.

<https://blockly.games>

Scratch, you can program your own interactive stories, games, and animations — and share your creations with others in the online community. Scratch helps young people learn to think creatively, reason systematically, and work collaboratively — essential skills for life in the 21st century.

<https://scratch.mit.edu/explore/projects/games/>

Tynker is currently offering free Premium access and features plenty of fun ways to learn coding.

<https://www.tynker.com>

Fun/ Downtime

- Spring time Colouring pages, puzzles and activities: <https://www.activityvillage.co.uk/spring-activity-pack-older>
- Think outside the box Thursday. Our class love having 10 minutes out of their day to complete this. Give them a small part of a line drawing and they have to make it into something different. Here are some examples: https://www.google.com/search?rlz=1C1CHBF_en-GBGB767GB767&sxsrf=ALeKk02tdQ6f0vTTwqHQ10eR8oFfT2hQzQ:1584659620075&q=think+outside+the+box+thursday&tbm=isch&source=univ&sa=X&ved=2ahUKEwj-rPmN1afoAhUAQEEAHVbPCeUQsAR6BAgKEAE&biw=1366&bih=608

It would be great to hear from you, if you have any problems with work, or would like to show me your great creations please email me from your parents' email. I can't wait to see some of your self-portraits, or any science projects work you have completed!

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Stay safe

Mrs Calvert x