

CHOCOLATE topic menu of activities- 2nd half of summer term 2020

These tasks are to be approached like we would do our 'Independent' tasks at school. As always, you can choose how to present your findings. I know you may have limited resources, but just do what you can. **I have marked with an * any key tasks I really would like you to do.**

For the **science** tasks BBC Bitesize is really useful. There are also many short videos on Youtube, as always!

For anything related to the **history** topic, this website is an excellent starting point <https://mayaarchaeologist.co.uk/>

<p>SCIENCE- MATERIALS *</p> <p>Dissolving investigation</p> <p>Set up an investigation where you test whether different substances are soluble or insoluble in water. You will need some substances to test e.g. sand, chalk, flour, rice, instant coffee, sugar, salt, gravy. You will also need to choose different variables- these could be different types of water (still, flavoured, sparkling for example) or different temperatures of water (extreme care needed if using boiling water). Remember the principles of fair testing: if you are changing the temperature of the water, everything else needs to stay the same (amount of water, amount of the substance, the time you stir for etc.). Record your results in a table and write a conclusion of your findings. Alternatively you could experiment to find how much of a substance will dissolve in water (but don't use up all the coffee!). Lots of YouTube videos to watch to get you started or as a follow up.</p>	<p>SCIENCE- MATERIALS *</p> <p>Testing properties investigation</p> <p>Design some simple ways of testing the properties of materials at home. You could collect a range of objects from around your house (wooden spoon, piece of paper, plastic ruler, bar of soap, metal pan lid, flannel etc) then test them under different categories for example transparency, hardness, flexibility/rigidity, magnetism, permeability (does it let water through). Decide what each test will be and make sure you keep the test the same for each material to be fair. For example, you might pour 5ml of water on each material and wait one minute to test permeability, or scratch an object 5 times with your fingernail to test hardness. It is up to you, but be consistent. Make a table of your results and write a conclusion about your findings.</p>	<p>SCIENCE- MATERIALS *</p> <p>Separating mixtures investigations</p> <p>BBC Bitesize 'What is separation?' page is a good starting place for this topic.</p> <p>Imagine you had four different mixtures:</p> <ul style="list-style-type: none"> Raisins and flour Sand and water Paper clips and rice Salt and water <p>You would need to use different methods to separate the materials. Got any ideas? The methods include sieving, filtering and evaporation. Although the sand and water and salt and water may seem similar, they would need different methods. If you can't try out any of these ideas in real life, then see if you can watch some videos to see how to separate materials. I'd love to see any photos of your experiments.</p>
<p>GEOGRAPHY *</p> <p>How is chocolate produced?</p> <p>Research the stages of chocolate production from bean to bar.</p> <p>Present your findings however you choose- a PowerPoint, poster or information and quiz would work well.</p>	<p>COOKING</p> <p>Traditional Maya hot chocolate</p> <p>Research a recipe for traditional Maya hot chocolate. If you can get the ingredients together, then make it. What is your verdict?</p>	<p>MUSIC</p> <p>A brilliant performance</p> <p>Take your time to learn a favourite song. Not just the chorus but the whole thing. There are lots of karaoke versions of songs on YouTube. When you are ready, perform your song to an audience. If you can, see if you can rope in a family member for backing vocals, guitar, piano, the spoons, whatever. I bet you can unearth some hidden talents and have lots of fun! I'd love to see videos of any performances. 😊</p>

<p>COMPUTING</p> <p>Photography challenge</p> <p>Ask your parents/carers if you can use a camera- this could be a digital camera or one on a phone or tablet. Spend some time trying out different ideas and features and then see if you can send me a photograph in one or more of these categories.</p> <ul style="list-style-type: none"> - Pattern or shape - Portrait or self portrait - Food - Close up (known as macro) - Action 	<p>PE</p> <p>Assault course challenge</p> <p>Design and set up a challenge course in your garden, which involves as much physical activity as possible. Use your imagination- can you include a range of PE skills- activities to get your heart rate up e.g. burpees and things to improve aim e.g. throw 5 rolled up socks into a box. Even if you don't have much equipment you can do things like 10 star jumps. Once it is set up, you will need to instruct other members of the family, get a clock for timing and have some fun!</p>	<p>HISTORY TOPIC</p> <p>Maya architecture and cities</p> <p>Research what Ancient Maya cities would have looked like.</p> <p>Can you make a model? Depending on what materials you have around, you could use old cardboard boxes, construction kits or anything else you have. Your model could be of one building, perhaps a temple, or if you fancy a big project, how about working on a larger scale design?</p>
<p>HISTORY TOPIC</p> <p>Maya writing and number system</p> <p>How did the Ancient Maya use written communication?</p> <p>Did the Ancient Maya use the same number system as we do?</p> <p>Research and write a report/leaflet/poster about it.</p>	<p>ART AND DESIGN</p> <p>Practice your drawing skills</p> <p>Spend some time working on your drawing skills. Take some paper into a quiet place- your bedroom, the garden, wherever and decide what to draw. Take your time, look closely and try to notice lines, shapes and shading. If you are not happy then try, try, try again. Sitting quietly like this is very good for our mental wellbeing. Perhaps you could also have some relaxing music on headphones whilst you draw. Of course, use whatever materials you have available- pencils, crayons, felt tips, even biro can give interesting result.</p>	<p>COMPUTING</p> <p>Stop frame animation</p> <p>Now this one is a challenge and you may well need an adult to help you (or for you to help them!). See if you can download a free stop frame animation app (e.g. Stop Motion Studio) and use it to create a short animation. It's a good idea to use a simple background, for example you could decorate part of the inside of a box to make a road scene, and then use toy cars/lego figures to move. You may have done this before and have some experience or it may be brand new, so just have fun and see what happens!</p>
<p>RE- CARING *</p> <p>The consequences of the Coronavirus have changed the way we have had to live our lives over the past few months. Our NHS has truly been amazing in coping with the pandemic. Many sections of society have needed extra help and people from Captain Tom Moore to Joe Wickes have responded by helping in so many different ways. People have been amazed by random acts of kindness that have helped them through this difficult time.</p> <p>Write a poem or report about someone who has received or given help to those in need. This could someone from the NHS, from any other walk of life or someone who has inspired you.</p>	<p>HISTORY TOPIC</p> <p>Learn about Ancient Maya clothes</p> <p>What can you learn about the clothes worn by the Ancient Maya? How about hairstyles and hair decorations? Could you try any of these out?</p>	<p>PSHE *</p> <p>Complete the PSHE Sleep activity from Mrs Jeffery.</p> <p>This is on a separate sheet, which is on our class page on our school website.</p>