

Lower Key Stage 2 Home Learning- w/c 13.07.2020

Daily activities:

English worksheet	Maths video and worksheet	Reading Plus	TTRS	PE session	An activity from the choices below.
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Sticky Knowledge:

We have 2 weeks left before we break up for the Summer Holidays. For the final two weeks, we are going to recap the topics we have taught throughout the year as we bring this strange academic year to a close.

<p><u>Yabadabado- History- Stone Age to Iron Age</u> A key part of our historical learning this year has been focused around chronology. Use the pictures on page 3 to create a timeline. Remember that BC comes before AD.</p>	<p><u>Yabadabado- Science- Rocks</u> There are 3 different types of rocks. Igneous rocks are formed from molten rock from underground that is forced to the surface via a volcano (granite, basalt). Sedimentary rocks are created from sediment layers under the sea (limestone, sandstone, chalk). Metaphoric rocks are sedimentary or igneous rock that has been changed by heat or pressure underground (marble, slate). Create a chocolate version of each rock and identify the features (page 4).</p>	<p><u>Yabadabado- Art- Prehistoric Art</u> During transition day last year, we created cave drawings and then we created them again during the unit using sandpaper. Remind yourself all about the prehistoric art by watching this video and then creating your own version of the cave drawings.</p>	<p><u>Yabadabado- DT- Textiles</u> Around Christmas, we created stockings using different joining techniques. Recap the different sewing techniques by watching this video. Using a tea towel or scrap material in your house, practise the three different types. There are some threading patterns on page 5 if you do not have any material to practise on.</p>
<p><u>Island Hoppers- Geography- Iceland Study and using search engines.</u> Use your knowledge and research to create your own fact file/ You must explain what the main tourist spots are (physical and human features) and what the climate is like. Use Digimaps to help spot the physical and human features (SK145PL jarves84). Do you recognise the symbols for capital cities and mountains/volcanoes?</p>	<p><u>Island Hoppers- Science- Skeleton and Muscles</u> Watch this video to recap how muscles work in pairs. Once you have understood, have a go at making your own pair of muscles to really understand how one muscle contracts while the other relaxes (page 6) There is a vocabulary cloze activity to really test your knowledge.</p>	<p><u>Island Hoppers- DT- Healthy Food</u> We looked at what it meant to have healthy diet and how it was different for each animal, dependent on their needs. Remind yourself of the EatWell Plate showing what our diet should be made up of. There are two 2Dos on Purple Mash to show your understanding of this area. One is to create a balanced meal based on the EatWell Plate and the other is to create a plan for a healthy diet.</p>	<p><u>Island Hoppers- Art- Surrealism</u> In art, we studied Salvador Dali (Spanish artist) and Georgia O'Keefe (American artist) and their interpretations of surrealism art. Remind yourself of surrealism using this Tate Kids video. Create your own piece of surreal art based on your dreams, or complete the surrealism art activity on the final page of this document.</p>

Websites mentioned above:

<https://www.youtube.com/watch?v=ZjejoT1gFOc> Cave Art National Geographic video

<https://www.bbc.co.uk/bitesize/clips/zpp6n39#:~:text=Muscles%20are%20used%20every%20time,muscle%20relaxes%20and%20becomes%20longer.> BBC video explaining how muscles work

<https://www.youtube.com/watch?v=1FknfumFPX8> video explaining three different stitching methods.

<https://digimapforschools.edina.ac.uk/roam/map/schools> Digimaps website. Our login is SK145PL and the password is jarves84

<https://www.nhs.uk/live-well/eat-well/the-eatwell-guide/> NHS Eatwell plate information

<https://www.tate.org.uk/kids/explore/what-is/surrealism> Tate Kids Surrealism information and activities

History- Creating a timeline (Chronology)

13,000BC



People make cave paintings

800-700BC



The first hill forts are made.

1,200-800BC



Metal tools are made and used.

1,200-800BC



Tribal kingdoms and celtic culture.

4,500-3,500BC



Farming starts and begins to spread.

100BC



Coins are made and used for the first time.

700-500BC



Iron is used a lot more than before.

AD43



The final Roman invasion of Britain

2,500BC



Metal starts to be used.

1,800BC



The first copper mines are dug.

4,500-3,500BC



The first pottery is made and used.

4,000-3,000BC



People start to ride and use horses.

Making chocolate rocks (science)

CHOCOLATE ROCK CYCLE

How can we represent the stages of the rock cycle using chocolate?



CURRICULUM LINKS

SCIENCE:

States of Matter (year 4)
Properties & changes of materials (year 5)
Rocks (year 3)

MATHS:

Measurement

YOU WILL NEED

- White, milk and dark chocolate cubes
- Graters
- Cling film squares
- Cups
- A source of hot water

HOW TO DO IT

- 1) To make **sedimentary rocks**, grate milk, white and dark chocolate into separate piles. Line a cup with cling film and then layer it with the different flavours (sediments). Press them together with your finger and then remove cling film to view your rock.
- 2) To make **metamorphic rocks**, take your sedimentary rock and wrap it in cling film. Shape it into a ball using your hand, massage with your fingers to create heat and watch the rock metamorphosis.
- 3) **TEACHER DEMONSTRATION:** To make **igneous rocks**, take your sedimentary and metamorphic rocks, wrap in cling film and drop into a source of hot water. Watch as the heat melts the rocks. Take them out and let them cool, turning into igneous rocks.




STEM VOCABULARY


- **Igneous** - formed from molten rock from underground that is forced to the surface via a volcano (granite, basalt)
- **Magma** - hot fluid beneath the earth's crust from which lava and igneous rock is formed by cooling.
- **Metamorphic rock** - sedimentary or igneous rock that has been changed by heat or pressure underground (marble, slate)
- **Metamorphosis** - to change in form, structure or substance. Rock metamorphosis is specifically caused by heat or pressure.
- **Sediment** - loose pieces of minerals and rocks.
- **Sedimentary rock** - created from sediment layers under the sea (limestone, sandstone, chalk).

WHAT ARE WE LEARNING?

When we make sedimentary rock, the pressure from our fingers forces the sediment together into a solid rock. When we make metamorphic rock, the heat and pressure of our hands replicate that of the Earth's crust. When we make igneous rock, the heat (volcano) creates lava (the melting rocks) which eventually cools to create igneous rock.

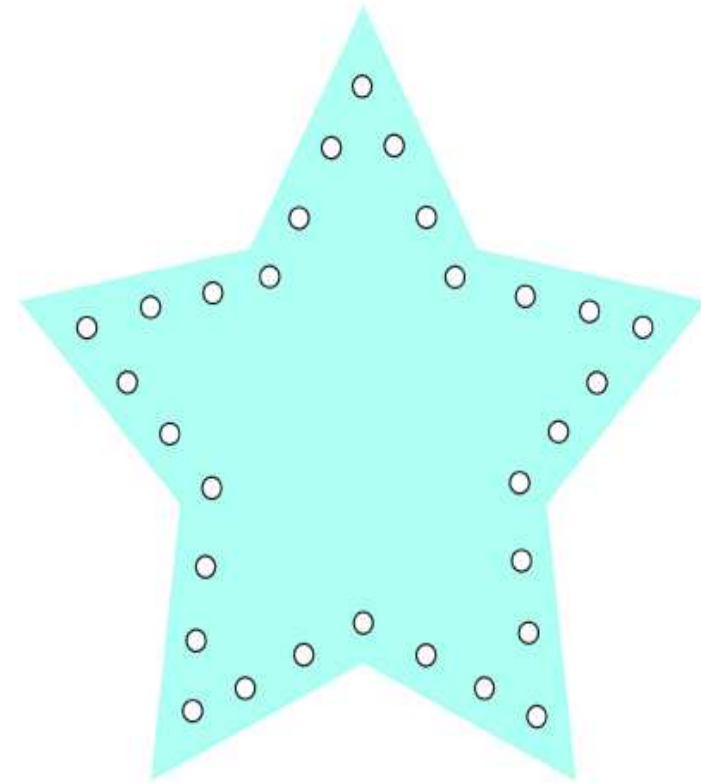
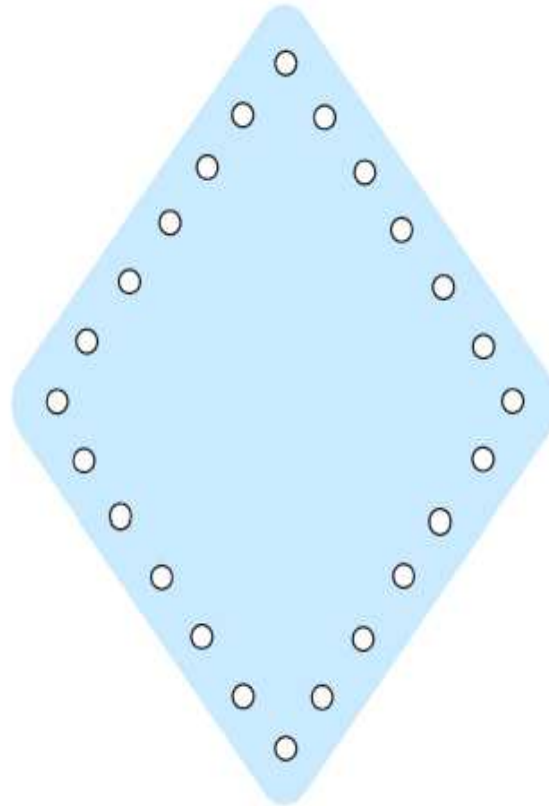
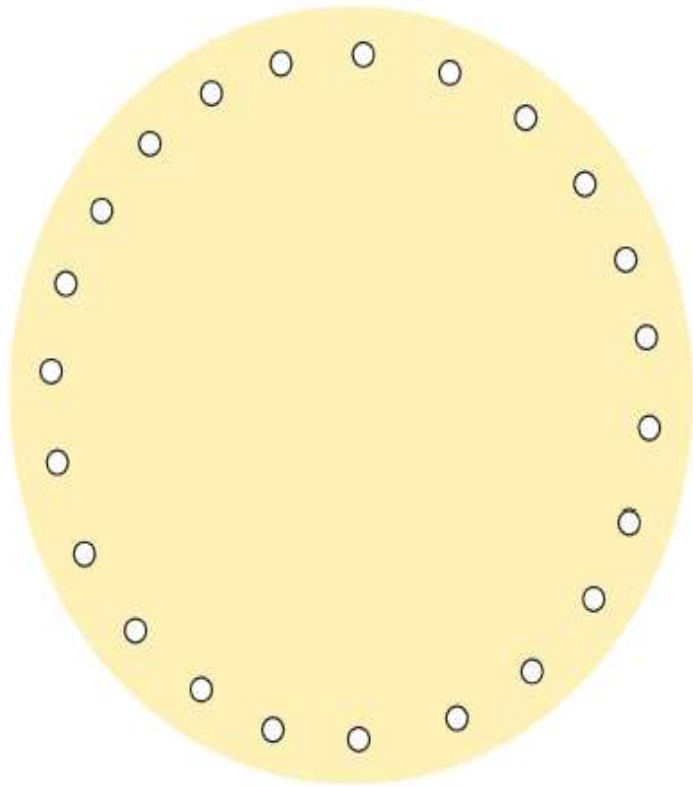
INVESTIGATE

 Create rock cycle fact sheets, powerpoints or videos to share what you have learnt.

 Find out more about the job of a geologist.

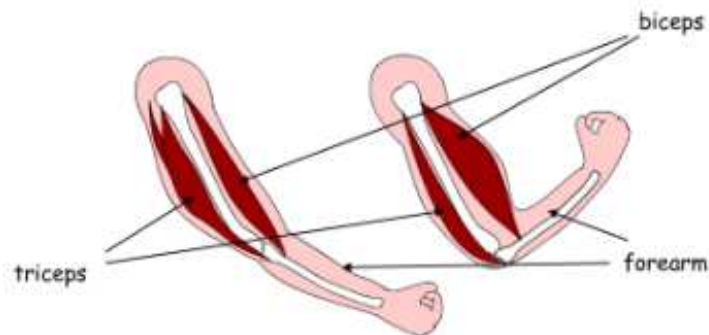
Threading Cards

Instructions: Thread your cotton through each hole, following the pattern round.



Muscles Move Bones - the Biceps and Triceps

PE5 - Identify that humans and some animals have skeletons and muscles for support, protection and movement.



All muscles work by **contracting** (pulling). Muscles cannot push. Muscles work in pairs. While one muscle is contracting, the other one is relaxing. When muscles contract, they become shorter, fatter and harder. When muscles relax, they become softer, longer and thinner.

Look at the diagram of the biceps and triceps muscles above. These muscles raise and lower the forearm. Use the words below to help you finish the two sentences that explain what happens to the biceps and triceps muscles when the forearm is raised and then lowered.

relaxes shorter fatter longer harder thinner

When the forearm is raised, the biceps muscle begins to work and gets _____, _____ and _____. While this is happening the triceps muscle _____ and gets _____ and _____.

When the forearm is lowered the triceps muscle begins to work and gets _____, _____ and _____. While this is happening the biceps muscle _____ and gets _____ and _____.

Making Muscles

You will need:
elastic bands
strips of thick, strong cardboard
split pin
stapler & scissors



1. Cut two equal lengths of card from thick strong card.



2. Place one strip of card on top of the other.



3. Push a split pin through both pieces of card. This must be no less than 5cm in from the edge.

4. Cut 4 elastic bands to length. Two will be short (red) and two will be need to be longer (green).

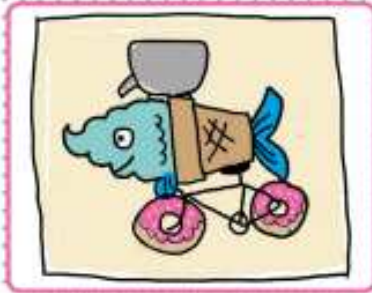
5. Staple the elastic bands in place. The two shorter ones will attach on the outside of the arm and the 2 longer bands will attach on the inside of the arm. Attach them all so they are tight but not pulling.



Art- Surrealism task

Leonora Carrington (1917-2011)

Surreal drawing



Leonora Carrington was a surrealist artist who created paintings and drawings based on her dreams, memories and imagination. In this game you pick cards representing an object, an animal or a plant and create a made-up character by drawing a combination of what you have picked.



Leonora Carrington, *I am an Amateur of Velocipedes*, 1941 © The estate of the artist, DACS, 2015

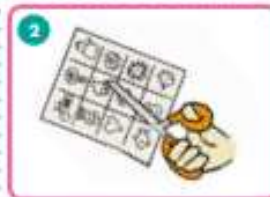
You will need:

- paper
- scissors
- the cards printed out
- a small bag or hat
- pencils

What to do:



1 Draw some animals, plants and objects or print out our cards.



2 Cut out the squares.



3 Mix the cards up in a bag or hat.



4 Pick 3 cards from the hat.



5 Draw your surreal art!



6 Pick more cards, draw more and colour in!

