

Science

Teaching and Learning

The remote learning set by teachers will follow the long-term Science curriculum plan for their class so that children can continue to access the relevant curriculum for their year.

All children in KS1 and KS2 will receive one hour of Science per week. The lesson will consist of new learning and a follow up task. To support teaching of new concepts, teachers will provide PowerPoint slides, video lessons and resources from Stem, Developing Experts, ASE and other websites. To ensure children remain engaged and enthusiastic about Science, activities set will vary from worksheets, online tasks, quizzes, experiments and writing up investigations.

Units of Work being Studied

Y1	Seasons then Healthy Me
Y2	Seasons then Healthy Me
Y3	Light and Dark, looking at mirrors and reflections
Y4	The Digestive System
Y5	Circle of Life
Y6	Let it Shine (light, shadows etc.)

Websites

https://www.stem.org.uk/remotelessons?fbclid=IwAR1qMwOLAqdrGVhxPrfkWRPBO_WJWEcD7oVhjp40JxWdAl ko8pUvnt-iO60

<https://developingexperts.com/accounts/pupil/sign-in>

<https://www.ase.org.uk/ase-coronavirus-hub-primary-remote-learning-resources?fbclid=IwAR2uodyEzoehZ8FEmSDnAul3215UEDocwoHqUaX1Jn1NTio3HtP8dX-nvRs>

<https://www.bbc.co.uk/bitesize/this-terms-topics>

<https://classroom.thenational.academy/subjects-by-key-stage/key-stage-2/subjects/science>

<https://classroom.thenational.academy/subjects-by-key-stage/key-stage-1/subjects/science>

<https://www.topmarks.co.uk/Search.aspx?Subject=26>

<https://www.edinburghzoo.org.uk/webcams/penguin-cam/#penguincam>

Other Resources

Children will be sent all kinds of resources to support them with their learning. Here are a couple of examples of the type of thing that will be used.



SC3: I can use scientific language to describe the lifecycle of a mammal.



The Bear Bookhart

Describe the lifecycle of a mammal using keywords.

10

Read through your description and highlight the keywords you have used.

1

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GLOSSARY: MAMMAL LIFECYCLE	
WORD	DEFINITION
Mammal	A group of vertebrates that have fur and lungs and whose females give birth to live young and feed them by producing milk.
Diagnostic feature	This is a characteristic that all of a certain group have in common.
Birth	This is when the female mammal gives birth to live young.
Juvenile	This is the stage when a mammal is not reproductively mature.
Adult	This is the stage when a mammal is reproductively mature.
Mating	This is when two adult mammals reproduce to make offspring.
Gestation period	The time it takes for the baby mammal to develop in the uterus.
Foetus	When the baby is in the uterus it is known as a foetus.
Uterus	Also known as the womb, it is where the baby develops.



Light Sources

Name: _____ Date: _____ Score: _____

Write man-made or natural under each light source.



Basic Needs
Humans need to eat lots of different kinds of food to stay healthy. We call this 'a balanced diet'.

Lots, Some or Only a Little?
We need to eat a balanced diet because different kinds of food, do different jobs in our bodies.
Some kinds of food are very good for us. We can eat as much of these as we like.
Some of the foods we eat are good for us, but only if we don't eat too much.
Some of the foods are not good for us. It is fine to eat a small amount of these foods, but if we eat too much it could make us less healthy.

Special Diets
Humans do not have to eat meat in order to survive. In fact, many people choose to exclude meat from their diet altogether. They eat out as a balanced diet because they can get their protein from other foods such as eggs, nuts and oats.
Some people have an allergy or an intolerance to foods such as dairy. This means that they need to exclude it from their diet. They can get calcium from other foods such as seeds, leafy greens and beans.

Lots, Some or Only a Little?

Lots
Fruit and vegetables.
Starchy food like bread, pasta and potatoes.
Eat these at every meal and for snacks.

Some
High protein foods like meat, fish, beans, eggs and nuts.
Dairy foods like cheese, milk and yogurt.
Eat these two or three times a day.

Only a little
Food that is high in sugar or fat.
Eat just like this no more than once a day.

Healthy Menu Plan

Choose food that you would like to eat during a day of healthy eating. Draw them onto the plates and label them to plan a healthy menu.

Your menu should have:

- Five, vegetables and starchy food at every meal and for snacks.
- 2-3 portions of meat, fish, beans or nuts.
- 2-3 portions of dairy food.
- We need them 1-2 times a day or 3-4 times a day.

Healthy Menu Plan

Healthy Eating Journal Evaluation

1. Can you say what is good about my diet and how I could make it better?

2. Three good things about your diet.

3. Three ways that you could make your diet better.

How will I know that my child is doing well?

Completed work either needs to be emailed to class teachers or completed online, if it has been set on Purple Mash or Developing Experts. The children will receive individual feedback from their class teachers; this will include praise and feedback in order to fill gaps in learning, challenge children further and address misconceptions.

Examples of work produced

Here are some examples of Science work produced through remote learning

Y1

Weather

cloud
rain
rainbow
snow
sun
umbrella
wind

The weather today is freezing. It is 2 degrees. It is still cloudy, raining and very wet.

Tomorrow, I predict the weather to be the same but with a bit of sunshine.

Thursday 16th January. It will be 4 degrees Celsius. Very cold with lots of rain and clouds. Wrap up warm with an umbrella.

Friday 15th January. It will be 2 degrees Celsius and freezing. No rain and no sunshine but dry.

Saturday 16th January. Sunny spells with rain droplets. 5 degrees Celsius and very windy.

Y2



Hello everyone,
today in Africa it
is hot next is
Canada. Canada
is cold 🥶🥶🥶. In
Mexico it is hot
as a big desert.

Y3

Sources of Light



A lamp is a source of light because it has something inside



A candle is a source of light because light comes out of it



A torch is a source of light because it uses a battery to power light



fire is a source of light because it creates light when burning



This is a source of light because the sun powers it and when it is dark it will light up



A television is a source of light because it has batteries in and if it has batteries in then it is a source of light



Fireworks are a source of light because they can make fire if they land



The moon is a source of light because when it glows it is shiny by



This is a source of light because it has fire inside

Sources of Light



A sun is a source of light because its very bright.



A light is a source of light because when its night time you leave the light on you will still see in the dark.



A TV is a source of light because when you put a channel on the brightness of it is a source of light.



Car headlights is a source of light because at night time you can see with them.



A laptop is a source of light because when you switch it on a light will come from it.



Chocolates is not a source of light because if u put it in the dark nothing will happen it will still be dark.



A christmas tree is a source of light (only if there are christmas lights) because at night time there will be a very bright light.



The sky is a source of light because sometimes Gods bright message will shine everywhere.



Fire is a source of light because its brightly shines around in the dark.

Y4

Types and Functions of Teeth

Name of tooth: Canine	Function: Rip, tear, bite
Name of tooth: Premolar	Function: Chew food
Name of tooth: Wisdom Tooth	Function: Chew, bite, tear, bite
Name of tooth: Molar	Function: Chew food
Name of tooth: Incisor	Function: Tear, bite, chew

Key:
■ Canine
■ Molars
■ Premolars
■ Incisors
■ Wisdom Teeth

Thursday Spice
 Canine: Sharp, pointed, for meat, but develop -
 they would be used for less of plant
 food they are given sharper teeth used
 for tearing apart food.

Premolar: Premolars Function: Premolars are used
 for tearing and crushing food. Unlike
 incisors, premolars and second premolars have
 a flat biting surface.

Wisdom: Wisdom teeth Function: Wisdom teeth
 are the last teeth to develop. They are
 located at the back of the mouth. They are
 used for chewing food. They are also used
 for tearing and crushing food. They are
 also used for tearing and crushing food.

Molar: Molar Functions: Molar are
 the largest teeth. Their function is to
 crush food. Molars have a large
 biting surface which makes them
 perfect for this job.

Y5

The Life Cycle of Koala

This animal is a mammal.
 A mother Koala gets pregnant in September and February.
 The gestation period for a koala bear is 30-36 days.
 A baby koala is called a Joey.
 Once it is born it attaches itself to its mothers pouch
 After it is born it only drinks it's mothers milk for 6-7 months then it
 eats koala poop and leaves.
 At 6 months it also leaves it's mothers pouch.
 When the koala starts to eat leaves it grows super fast.
 Then the koala rides on its mothers back and hugs it for warmth.
 Once they are 1 years old they leave their mother and leave to find
 their own home where there are no dogs to eat them, no cars and a
 lot of leaves to eat.

The Life Cycle of a Ladybug.

This animal is insect. The female ladybug lays the eggs.
 The eggs hatch in 3-7 days. Then, the ladybug is in the
 larva stage for about 2-4 weeks. After, the ladybug is in
 the pupa stage. This is formed when the larva moults for
 the last time. In this stage, the ladybug has hard
 protective coating. This stage lasts 5-7 days. Finally,
 the ladybug is in its last stage being an adult. The life
 span is a few months.

Y6

