





VARIOUS LOCATIONS IN ABERDEEN CITY



Sociable Science

The aim of Sociable Science is to engage all ages in science activities that are done in conversation utilising teamwork, creativity and most of all fun while learning.

Each activity would be designed to be repeated at home with our audiences being encouraged to share what they have learnt with others.

All children must be accompanied by a responsible adult. Please wear sturdy footwear and dress for the weather.





Make Others Smile Challenge

In this activity, well, you've probably guessed it... You'll make others smile!

Suitable for primary



What happens when we smile?

When we smile, more than 10 face muscles are involved to create a smile. When these muscles contract, they send a signal back to our brain and stimulates our reward system. This stimulation further increases the level of happy hormones, called endorphins. In other words, when our brain feels happy, we smile; when we smile, our brain feels happier.

In addition, smiling is contagious! When we see people who smile, it stimulates our mirror neurones to suppress our facial muscle control, and triggers a smile.



In this activity you will be making your own toothpaste!

Suitable for primary

What will you need

Baking soda Cornflower Salt Glycerine Peppermint Flavouring Food Colouring Teaspoons Mixing Container Dirty Teeth Laminated Picture



Mix together 1 teaspoon of baking soda, 1 teaspoon of cornflour and 1 teaspoon of salt in your container.

Add 1 teaspoon of glycerine and 1-2 drops of peppermint flavouring and mix to form a thick paste.



Add 1-2 drops of food colouring.

Test your recipe on the laminated face - please do not try this on yourself!



Why are clean teeth important?

When you get your picture taken, everyone says, "Say cheese! Smile!" So you do – you open your mouth and show your teeth. When you see the picture, you see a happy person looking back at you. The healthier those teeth are, the happier you look. But why is that? It's because your teeth are important in many ways. If you take care of them, they'll help take care of you. Strong, healthy teeth help you chew the right foods to help you grow. They help you speak clearly, and help you look your best. If you don't take care of your teeth, cavities and unhealthy gums will make your mouth very, very sore. Eating will be difficult and you won't feel like smiling so much.



Growing A Smile Activity

In this activity you will learn all the things that plants need to grow.

Suitable for primary

What will you need

Paper plate Cotton wool Cress seeds Water



Take an empty paper plate.



Place a cotton wool on your plate.

3

Now sprinkle some cress seeds in a shape of a SMILE on the top of the cotton wool, lightly press the seed into the cotton wool and spray with some water.



It will only take a few days for you to see the results. Cress seeds germinate pretty quickly.

Take your plate home with you, place it on your window shelf and don't forget to water it! Cress seeds only need a small amount of water every couple of days.



How do plants grow?

Like humans, plants need water to survive. Water is essential to life and so without it seeds won't even germinate (start to grow). So water triggers seeds to germinate. Humans get their energy from food, and plants get their energy from light. Chlorophyll (the green pigment found in plants) uses energy from light and turns carbon dioxide from the air and water into sugar which the plants then use as an energy source: a process is called photosynthesis.



Making a Windflower Seed Ball

In this activity we'll get creative with nature and make wildflower seed balls to scatter in the garden.

Suitable for primary





Growing a Sunflower

In this activity you will learn all the things that plants need to grow.

Suitable for primary

What will you need

Multi purpose compost, plant pots, Sun flower seeds Water



Take your plant pot and fill with compost nearly to the top

2

Carefully drop your seed into the pot



Cover your seed with a little bit of compost



Lightly spray some water on top

Take your plant pot home with you, place it on your window shelf and don't forget to water it! Sunflower seeds only need a small amount of water every couple of days.



How do plants grow?

Like humans, plants need water to survive. Water is essential to life and so without it seeds won't even germinate (start to grow). So water triggers seeds to germinate. Humans get their energy from food, and plants get their energy from light. Chlorophyll (the green pigment found in plants) uses energy from light and turns carbon dioxide from the air and water into sugar which the plants then use as an energy source: a process is called photosynthesis.



Paper Cup Challenge

In this activity you will put your civil engineering skills to the test! The challenge is to see if you can stand on paper cups without breaking them... Doesn't sound possible? Well, we will show you how it is done and you can try out different methods and test out just how much weight the cups can take!

Suitable for primary

What will you need

Paper cups Cardboard



If we stood on a single paper cup it would break straight away. This is because our weight pushes down on the cup and compress it.

However, if we arrange the cups neatly spaced out and place a piece of cardboard on top, our weight is spread out. This means there isn't too much weight on one cup.



Music Maker from CREST

In this activity we will learn about how sounds are made by experimenting with different objects and materials..

Suitable for primary



Why does this happen?

Music Maker Experiment Explained

When a sounds is made, something vibrates. Sound can travel through air, through solid material or through liquid. When you tap a glass object the air inside vibrates, or when you tap a bottle of water, the water vibrates. The more water in the bottle, the lower the note becomes. This means you can create different notes (i.e. change the pitch), by regulating the amount of water in a bottle.



Coding and Cyphers

Become a special agent with a variety of activities where you will learn about making invisible ink and the secrets of cyphers. Why not use this method for making invisible ink to send secret messages to a friend?

Suitable for primary and secondary

What will you need

Baking soda. Water. Small Cup. Paper. Paintbrush. Sponge. Grape/Prune or Cranberry Juice



Mix equal amounts of baking soda and water in a small cup.

Write your secret message on paper using the mixture and the paintbrush.

Wait for the paper to dry, then pass the note to your friend.

4

To reveal the message, use a sponge or brush to paint the paper with grape/prune or cranberry juice.



Why does this happen?

The slight acidity of the juice reacts with the baking soda to reveal your message. There is an ingredient in grape juice that changes the baking soda to that very deep purple colour when they meet!

Grape juice is a ph indicator. This means that it will change the colour of different substances when it interacts with them to show us what their ph is

- Ph tells us the acidity or basicity of items
- Basically, substances go through a chemical reaction when they "meet" a ph indicator and that causes them to change colour
- Think about a traditional baking soda and vinegar experiment they combine and erupt! That is because baking soda is a base and vinegar is an acid. If we tested the ph of vinegar it would be a very different colour than the ph of baking soda.



Soda and Mentos Explosion

A classic experiment but with some variations! You might have tried adding Mentos to a bottle of fizzy juice before but this time you will experiment with different methods to see how the results vary.

Suitable for primary

What will you need

Coca- cola Mentos Baking Soda String Needle Bottle cap Pricker

Coke and Baking Soda Experiment



Take a 2I bottle of coca- cola.

Take the cap off and pour in baking soda (the more the better). Step back immediately.

Coke and Mentos Experiment

Take a 2I bottle of coca - cola.



Make a hole in a middle of a used bottle cap.



Why does this happen?

Coke and Making Soda Experiment Explained Coke is acid, and the acid joins together with the carbonate in baking soda to form hydrogen carbonate. Hydrogen carbonate then breaks up to become carbon dioxide and water. The carbon dioxide then bubbles off as gas.

Coke and Mentos Experiment Explained

A bottle of coke is full of bubbles (carbon dioxide). When you drop a Mentos into a bottle of coke, bubbles start to form on the surface of the Mentos, a process known as "nucleation." The surface of the Mentos is filled with tiny imperfections. These imperfections create a larger surface area and provide many more "nucleation sites." When the Mentos drops to the bottom of the bottle, it forms lots and lots of bubbles on its imperfect surface along the way. When all of this gas is released, it forces the drink up and out of the bottle.

Thread the bottle cap add 6 Mentos onto a string with a needle (start threading with the Mentos).

Open the coca - cola bottle, take the string with the Mentos and the cap. Place the string inside the bottle but do not let the string drop and reach cola - cola. Screw the cap (that's attached to the string) on and drop the string down. Step Back immediately.



Rocket Balloon Experiment

This activity demonstrates Newton's Third Law of Motion and can be used to send messages to friends or even have races against them!

Suitable for primary





Milk Art

This fun science experiment also lets you use your creative side. Using milk and food colouring to we will see how chemical bonds work.

Suitable for primary

What will you need

Milk Plate Dish soap Cotton swabs (or tooth picks) Food colouring (more than one colour)



Slowly pour the milk into the plate. Do not move the plate, you want the milk to stay as still as possible.

Put one drop of each food colouring in different places in the milk.



Put a tiny amount of dish soap on one end of the cotton swab, then touch it to one of the colours.





Continue touching the colours and make art!

Why does this happen?

Milk Art Experiment Explained

Milk has got a lot of fat in it and the food colouring floats on top of the fat. The fat is all connected with chemical bonds. It's almost like little pieces of fat happily holding hands with each other. Dish soaps are used to clean greasy dishes because it breaks the bonds in fats allowing them to separate. Adding the dish soap to the milk separates the fat and makes it move making your magical milk art!

Animal adventures with CREST

Go on an animal adventure and see how many animals you can find

Suitable for primary

CITY COUNCIL

techfest.org.uk/festiva

What will you need

Collecting jar Magnifying glass (optional) Pens Paper Identification book (below resource)

We're going on a mini beast hunt! Think about which areas the mini beasts will be hiding?

Take photographs or draw the animals that you find. Remember to be careful if collecting them, we don't want to harm the animals.

3

Now you have collected your drawings or photographs it is time to identify which mini beats you have found! Use your knowledge or use the identification book to help.



What is a mini beast?

The term 'minibeast' means a small animal. The scientific name for minibeast is invertebrates. This means an animal without a backbone. Some invertebrates have no skeleton, like worms. Others, like insects and spiders, have a skeleton on the outside (exoskeleton).

Where can I find mini beasts?

You can generally find plenty of mini beasts living in mosit, damp, dark environments which help to keep them safe and stop them 'drying out'.

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Animal	adve	ntures
	with	CREST

Animal Identification sheet

How many did you find? Use the identification sheet and colour in the animals you found

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Wiggly Worm	Beautiful Butterfly	Slow Snail	YOU FIND?	Spotty Ladybird	Slimy Slug	Sneaky Spider
Ż		est as				A
Pleasant Pheasant	Fantastic Frog	Happy Hedgehog	Marvellous Moth	Brilliant Blackbird	Bumbling Bee	Bashful Beetle
					K	XXX
Fast Fox	Red-Breast Robin	Wonderful Woodlouse	Pesky Pigeon	Crawling Centipede	Amazing Ant	Frolicking Fly





water.

Leaf Ueins

Work together to find out just how water travels through leaf veins!

Suitable for primary and secondary



Why does this happen?

You will notice that the veins in leaves have a branching pattern. Are the leaf vein patterns of different leaves the same or different? Leaf veins are made up of two types of vessels (continuous long thin tubes). Xylem vessel, which transports water from the roots of the plant to the leaves via capillary action. Phloem, which takes the food made in the leaves via photosynthesis, to the rest of the plant.

What is capillary action?

Capillary action is the ability of a liquid (our colored water) to flow in narrow spaces (the stem) without the help of an outside force, like gravity and even against gravity. Think about how large tall trees are able to move lots of water so far up to their leaves without a pump of any kind.

As water moves into the air (evaporates) through a plant's leaves, more water is able to move up through the plant's stem. As it does so, it attracts more water to come alongside it. This movement of water is called capillary action.



Make your own medals

Using air drying clay, make your very own medal to show off your achievements from the day!

Suitable for primary

What will you need

Air drying clay Rolling pin Pens Paper Paint brushes Acrylic Paint Cup of water (to wash brushes) Piece of string to tie your medal onto



Take a chunk of air drying clay and roll into a ball to soften.

Use a rolling pin or a cup to roll your piece of clay flat. Create your medal using the air drying clay. Take a pencil to create a small hole at the top of your medal (this will be used to feed string through at the end)



Leave your medal to dry for up to 24 hours



It's time to decorate your medal! Use acylyric paints to create a design on the front of your medal, leave to dry before painting the back.

Once your medal is completely dry, take a piece of string and feed it through your medal. Tie a small knot together.



There you have it! You have your very own medal, wear it with pride and remember to tag TechFest in on social media so we can see your designs.







Learn how the water cycle works.

Suitable for primary

What will you need

Plastic zip-lock bag. Permanent marker. Water. Blue food colouring. Clear tape

Design your bag by using the permanent markers to draw a sky. Remember to include clouds and the sun as these are imporant elements in the water cycle



Pour one or two drops of your blue food colouring into a cup and mix until the water turns blue. Carefully pour into the zip-locked back and make sure it is closed so no water can escape!

Take your bag over to a bright sunny window for best results. Take two long pieces of tape to stick the corners of the bag up onto the window. Remember to press down tightly as we do not want the bag to fall!

4

You should see a change in your bag between two hours and 1 day this will depend on the amount of sun and the time of day you started. Eventually you will notice droplets of water sticking to the sides of the bag, some droplets will be higher up in the in the clouds others will begin to fall down like rain



So why does this happen?

The sun rays hit the window which heats up the water in the bag causing the water to transform into a gas through the process called Evaporation. Outside evaporated water vapor goes into the atmosphere, however in our bag it has no where to go and ends up sticking onto the sides. The water then turns back into a liquid as condensation, which then slides back into the pool of water below as "rain".



How to Make a Rain Gauge

Find out how to make your very own rain gauge

Suitable for primary

What will you need

A glass jar or plastic bottle. Permanent marker. Ruler.

if you are using a plastic bottle cut the top off to create your gauge. Or take a jar and move onto the next step

2

Take your ruler and line the "O" up with the bottom of the jar. Make a mark on the jar for each centimetre (we went up to 8).

Fill the bottom of your rain gauge with pebbles, rocks, soil to stop it from moving outside in the wind.

4

Now that your rain gauge is in place, either in the ground or hung up somewhere secure, you can start to track the rainfall in your garden. At the same time each day take a look at how far up the jar the water has reached- you can track this using the sheet on the next page!



So why is this useful?

Now that your rain gauge is in place, either in the ground or hung up somewhere secure, you can start to track the rainfall in your garden. At the same time each day take a look at how far up the jar the water has reached- you can track this using the sheet on the next page!





Calculate the total rainfall for the week:



Making Rainbow Rain

Create your very own cloud and make it rain!

Suitable for primary

What will you need

A glass jar or bowls. Water. Food colouring. Shaving foam. Pipette.



Fill each bowl or glass with some water and a different food colouring- you can use as many colours as you like, and can even mix them together to make even more!

Half or three quarter fill a glass jar or vase with cold water then top with a shaving foam "cloud".



Use the pipette to drop the rainbow water onto the shaving foam "cloud".

Once the cloud is full, rainbow rain will start to fall into the jar. This could happen really quickly or take a little bit longer depending on how thick your shaving foam cloud is and how far into the cloud you stick the pipette (the farther in you go, the sooner the rain will fall).

What does this teach us about weather?

Cloud formation happens when water vapor rises into the air. When this vapor hits cold air, it turns into tiny droplets of water. These droplets start to stick together and form clouds. When the clouds get full of water that they can't hold anymore, the water falls down as rain.

In this experiment, the clouds are the shaving cream and the food colored water is the rain. As you drop the colored water into the cloud the weight of the water forces itself through the cloud to "rain" down into the jar.

Credit: https://www.thebestideasforkids.com/rain-cloud-in-a-jar/



Alka-Seltzer Rockets



Find out how you can make a **rocket** powered by **Alka-Seltzer** and water with this fun activity.



The gas builds up inside the film pot, increasing the pressure, until the lid is forced off.



Non-Newtonian Fluid

This is a more gloopy type of science. We have a few names for this stuff oobleck, slime but my favourite is gloop. And it's a fluid that breaks all the rules. The fancy name is a non-Newtonian fluid. (Newton was a scientist who discovered many rules of physics but this is a fluid that seems to break the rules)

So sometimes it's a liquid and sometimes it's a solid depending on how much pressure you put on it. When you move it slowly, it behaves like a liquid and when you move it fast you can carve it up like a solid.

Suitable for primary

What will you need Bowl. Cornflour. Water. Spoon. Baby wipes.



Start with one part water in a bowl. Slowly add 1.5 to two parts cornflour, stirring constantly.

Starch particles become suspended in water - but too much water will create liquid.



Why does this happen?

Long chain molecules slide easily over each other when moved slowly but become brittle/fragile and rip if you move them fast.



Salt Painting

Do you know watercolour salt painting is both science and art, but what's the science? Lets find out

Suitable for primary



Why does this happen?

Salt is a really useful product that has the ability to absorb moisture from its environment. Its ability to absorb water is what makes salt a good preservative. This property of absorption is called hygroscopic.

Hygroscopic means that salt absorbs both liquid water (the watercolour paint mixture) and water vapour in the air. Notice how the salt absorbs the watercolour mixture below with your raised salt painting.



















Quiet Fireworks

Real fireworks may not be safe to handle, but fireworks in a jar are the best!.Find out below how to create your own fireworks in a jar.

Suitable for primary



water.



Why does this happen?

Liquid density is a fun experiment for kids to explore as it combines a bit of physics and also chemistry! As you observed above with your fireworks in a jar, oil and water do not mix. But why don't oil and water mix if they are both liquids?

Liquids can have different weights or densities because of their molecular structure. Water is heavier than oil so it sinks because it is made up of a different amount of molecules.



DNA Detectives

Can you help the DNA Detectives work out what person X looked like just by looking at their DNA sample? Use the key on the following page to decode the DNA clues and work out what person X looked like

Suitable for primary Person X DNA Sample **DNA Clue** Feature Gender ΧХ Hair Colour GGCTAA CCCTGA Hair Texture Eye Colour ATTGGG Freckles GGGCCG Nose AAGACT GGGGAT

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Lips



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DNA KEY

Feature	DNA Clue	Outcome
Gender	ХХ	Female
	XY	Male
Hair Colour	AGGCTA TCAGTC	Blonde Hair Brown Hair
	AATCCC GGCTAA	Black Hair Red Hair
Hair Texture	TTAAAT ATCGAT CCCTGA	Straight Hair Wavy Hair Curly Hair
Eye Colour	CTCAGA GGCTCA ATTGGG	Blue Eyes Brown Eyes Green Eyes
Freckles	TGTACA GGGCCG AGTCGT	No Freckles Some Freckles Lots of Freckles
Nose	ACCGTA CACGTA AAGACT	Pointy nose Small round nose Big round nose
Lips	GGGGAT TAGCAT CATTAG	Thin lips Small round lips Big lips

What is DNA?

DNA is an amazing molecule that contains the biological instructions to make all living things on Earth. Everyone's DNA is slightly different, and it's the variation in your DNA that makes you unique! Everything from the colour of your eyes, the shape of your nose, and even your blood type – it's all down to DNA!



Terrific Trees

When we're outdoors there are trees around. We're so used to seeing them that we hardly notice them

Suitable for primary

What will you need

Observation Sheet (on a clipboard), HB Pencils (sharpened, Trees



Look at the Information Sheet showing the shapes of leaves. See page below,

3

Look at the Information Sheet showing the textures of bark. See page below.



Take your Observation Sheet ϑ pencil around the trees that you can see. Record the shape of the tree and sketch the shape of the leaf.

Do a rubbing of the bark - place the Observation Sheet against the bark and, with the pencil lead flat against the paper, rub it gently to and fro. (Ask the helpers if you don't know what to do)

Can you see flowers or seeds? Draw them or describe them if you can. (What colour are they? What shape are they? Are they growing singly or in bunches?)

Can you identify the tree? If you know its name, write it on your sheet. If you don't you can try looking it up in the books – ask a helper.

We are fortunate to live in a part of the world where we have many trees providing a backdrop to our landscapes. There are trees in gardens, in parks and on urban streets – and yet we often overlook them, failing to observe the detail. In this activity we learn to look more closely, examining the texture of the bark, the shape of the leaves and the outline of the trees themselves.



Terrific Trees Images

These images are intended to illustrate the shapes that the children are to look for in the surrounding trees. Ideally, they would be printed and laminated. It may be helpful to have more than one copy of each available.

Tree Shapes





Terrific Trees Images

Leaf Shapes



Download these free tree identifying apps <u>here</u> or <u>here</u> or scan the qr codes.







Terrific Trees Images



<u>Download</u> a free tree bark poster and matching game for kids or scan the qr code!





Ecosystem in a Jar

Create your own ecosystems in jars! These miniature marvels serve a variety of purposes, from enhancing décor and hardscape design to educating children about ecosystem and sustainability in a practical way.

What will you need

A clean, empty container with lid (all labels removed), standing water, soil, small rocks, small plants/plant seeds, moss or algea

Suitable for primary

Place small rocks at the bottom of the jar

Cover the rocks with a thin layer of soil

Place moss and/or algea on top of the soil

Add small plants and/or flower seeds to moss

Sprinkle standing water over plants & moss (use standing water from a natural source like a pond, stream, or puddle because standing water includes lots of bacteria and potentially also seeds as well as eggs, meaning that this way your mini-ecosystem will get some inhabitants.)

Seal your ecosystem in a jar

Place the jar at a sunny location

How does it work?

An ecosystem in a jar mimics a natural ecosystem, with plants and algae producing oxygen through photosynthesis while live organisms consume oxygen and emit carbon dioxide. Waste products from organisms, like nitrogen-rich waste and decaying matter, nourish the plants. Worms play a crucial role in maintaining ecosystem health by consuming algae and aiding in decomposition. Bacteria and microbes further contribute by breaking down organic matter and providing essential nutrients to plants. Condensation perpetuates the water cycle within the closed system. These intricate interactions create a self-sustaining circular system that can be observed and appreciated in detail, making the study of jar ecosystems a fascinating endeavor.



Make Your Own Binary Code Necklace

Binary is extremely important to the computer world. The majority of computers today store all sorts of information in binary form. This activity helps to demonstrate how it is possible to take numbers and translate them into messages.

Suitable for primary



Now you need 2 bowls of beads. Make sure they are in 2 different colours, for example blue and yellow.

Look at the binary code reference sheet (page below and associate colours with 1 or 0, for example: (number 1=blue colour beads and number 0=yellow colour beads)

Start at the last initial of the word you're coding. For example, if the last initial was E, the beads would be: 00101. When finished, tie a knot and wear it!

What is binary coding?

Binary coding is used to communicate and store information inside computers and other digital devices. Think of binary coding like a special language that computers understand. Instead of using letters or words like humans do, computers use only two symbols: 0 and 1. These symbols represent two states: off and on. This might seem limited, but when you put many 0s and 1s together in different patterns, you can represent all sorts of information, like numbers, letters, colors, sounds, and more!

For example, let's say you want to tell a computer to show the letter "A" on the screen. In binary, this might be represented as a specific pattern of Os and 1s. Each letter, number, or symbol has its own unique pattern in binary.

So, binary coding is essential for computers to understand and process the information we give them. It's the backbone of everything we do with technology, from browsing the internet to playing video games to sending messages.

BINARY CODE ALPHABET REFERENCE SHEET

A	00001	Ν	01110
в	00010	0	01111
С	00011	Ρ	10000
D	00100	Q	10001
Е	00101	R	10010
F	00110	S	10011
G	00111	т	10100
н	01000	U	10101
I	01001	V	10110
J	01010	W	10111
K	01011	Х	11000
L	01100	Y	11001
М	01101	Z	11010



Earth in True Colours

In this activity, you'll explore the concept of the Overview Effect and get the chance to colour the Earth with your fingerprint!

Suitable for primary

What will you need

Earth template (page below), paint, water or wet wipes





Imagine you're on a spaceship, traveling far away from Earth, and then suddenly, you look out the window and see our planet from space. An unfamiliar experience hits you-it's called - the Overview Effect. It is what astronauts feel when they see Earth like that. It's a special feeling of awe and wonder that comes from seeing our planet as a whole, beautiful blue ball floating in space.

When astronauts see Earth from space, they realise how small and precious it is. They see how all the countries and oceans fit together like puzzle pieces. They notice that there are no lines dividing the land or oceans like on a map. Instead, they see how everything is connected, and they feel a strong sense of unity with all living things on Earth.

The Overview Effect makes astronauts feel grateful for our planet and want to take care of it. They understand how important it is to protect Earth's environment and make sure it stays healthy for future generations.

So, the Overview Effect is like a big "wow" moment that makes astronauts appreciate Earth even more and want to keep it safe and beautiful. It's a reminder that we're all part of one big family living on this amazing planet.

Want to learn more cool facts about space? Watch our interview with an astronaut by scanning (or clicking) this QR code.



2 Now, that you have learnt all about the Overview Effect - dip your fingers in paint and using your fingerprints - colour in the Earth! Don't forget to clean off the paint after you're done colouring.

Did you know?

Earth Day is an annual event celebrated worldwide on April 22nd. It is a day dedicated to raising awareness about environmental issues and promoting sustainability efforts to protect our planet.



Apply for your CREST Award

Star Awards - 5-7 year olds Super Star Awards - 7-11 year olds

In order to gain your CREST Star or SuperStar Award you will need to complete 8 activities in total. You have already completed 4 during our Sociable Science workshops so why not complete 4 more activities provided in our booklet.

The children develop their investigative and teamwork skills. After completing all eight challenges, each child will receive a CREST SuperStar certificate and iron-on badge.

To apply for your CREST Star or SuperStar award for £1 visit <u>https://apply.crestawards.org/</u>



THE **CREST AWARDS** SCHEME IS THE BRITISH SCIENCE ASSOCIATIONS FLAGSHIP PROGRAMME FOR YOUNG PEOPLE, PROVIDING SCIENCE ENRICHMENT ACTIVITIES TO INSPIRE AND ENGAGE 5 – 19 YEAR OLDS.

It is the only nationally recognised accreditation scheme for project work in science, technology, engineering and mathematics (STEM) subjects. In addition to giving young people the opportunity to undertake hands-on science, CREST Awards are designed to help develop skills that are transferrable to other subjects, further education and future employment. To find out more about CREST Awards and to see how you can get Involved visit the TechFest website: <u>www.techfestsetpoint.org.uk/crest</u> or email: vistycranna@techfest.org.uk

TECHFEST

TechFest is your Regional CREST Support Organisation for Scotland.. TechFest.org.uk To find out more information about CREST and how to register for awards follow the link below: <u>www.crestawards.org</u>