



TECHFEST

Aberdeen and North-East Scotland's
Festival of Science, Technology,
Engineering & Mathematics
www.techfest.org.uk/festival



2025 SCHOOLS SCIENCE FESTIVAL

Monday 26 May – Friday 30 May 2025

Robert Gordon University,
Garthdee Campus, AB10 7GJ



JOINT PRINCIPAL SPONSORS



WWW.TECHFEST.ORG.UK

Scottish Charity No. SC010349

TECHFEST PRIMARY SCHOOLS' PROGRAMME 2025



As Joint Principal Sponsors of TechFest 2025, Shell and bp are delighted to once again pledge our support to Aberdeen and the North-East of Scotland's premier annual festival of Science, Technology, Engineering and Maths (STEM). TechFest aims to build young people's knowledge of these key subjects and inspire them to become the next generation of engineers, scientists, technologists and mathematicians.

This year, TechFest has developed a diverse and entertaining programme to complement the classroom work delivered through the Curriculum for Excellence and we are confident that the young people will find the festival experience both educational and fun.

We look forward to another successful event which we hope will encourage pupils to consider studying these important subjects from an early age.

Doris Reiter
Senior Vice President
bp North Sea

Simon Roddy
Senior Vice President Upstream
Shell U.K. Limited

WELCOME TO

TECHFEST SCHOOLS SCIENCE PROGRAMME 2025

TechFest is delighted to present its Schools Science Festival Programme for 2025 - an exciting line-up of Science, Technology, Engineering and Mathematics (STEM) workshops and shows, all chosen with the capacities, principles, experiences and outcomes of Curriculum for Excellence in mind.

We are also delighted that events like our schools' programme can help your school embed 'Developing Young Workforce' into your school curriculum, inspiring and informing our future workforce. Thanks to our extensive sponsorship and the time volunteers give to working with the children during their time at TechFest we hope that your school can make the most of this chance to build employer links and create lasting relationships with our university partners. It is also never too early to help our young people raise awareness of all the jobs there are that match their interests and increase their confidence.

The cost per primary pupil this year will be **£2.00** which represents great value for money. Each pupil will participate in three sessions. Opportunities are available across the **Nursery - P7 age range**, with a variety of topics. **Groups will be a maximum of 33 children. We will invoice you after the event and there is no deposit required, however if you are using the Council payment system please can you provide a PO number in advance.**

Each Early Years group is invited to attend up to three sessions, however, if you choose to come for just one or two sessions prices will be adjusted accordingly. Children must be over 3 years of age. Groups will be a maximum of 20 children.

Demand for festival places is always high and we reach capacity very quickly. Applications are dealt with on a **'first come, first served'** basis, so please complete and return your application form without delay.

We welcome school staff contacting us to discuss requirements or plans for a visit as our aim is to ensure the day is as enjoyable and runs as smoothly as possible

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Festival of Science, Technology,
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www.techfest.org.uk/festival



PLANNING YOUR VISIT



Please note that each class will be allocated three workshops per visit. While we cannot guarantee that you will receive all of your choices of workshop, depending on your preference for dates and times, we will put together the best programme ensuring you receive a variety of STEM workshops, based on CfE Experiences and Outcomes tailored for the age and stage of your pupils.

Please give as much information at time of booking as possible e.g. class teacher, access requirements. This makes booking management a lot easier during your visit.

If you would like to discuss any of this further, please do not hesitate to contact Jenny Taylor: 07817 745250 or email: jennytaylor@techfest.org.uk

DISCLOSURE - TechFest supports disclosure for all people who work with schools, however at no time should volunteers be alone with students. All schools must write their own risk assessment and ensure that members of the teaching staff are present throughout all workshops and during your visit to TechFest.

RISK ASSESSMENT - while we can provide Risk Assessments for the workshop activities if required, schools are responsible for travel to and from the venue and must risk assess this accordingly.

FIRST AID PROVISION - TechFest has First Aiders on site to support your school First Aiders and we will ask you to confirm that you are happy for us to assist your school if the need arises.

PHOTOGRAPHS - Photographers will be on hand to take photographs during the event. Please bring written Photographic Permission for your class. We will also invite schools to send us their photographs for our website.

CATERING - There are limited catering facilities at RGU so please make sure that you and your pupils bring a packed lunch with you. There will be tea/coffee/water available for teaching staff and adult helpers only. If you require a drink, please use travel cups with lids or a water bottle with a lid. Please be aware that hot drinks are not allowed in the workshop areas.

DISCLAIMER - All details in this programme are correct at the time of publishing. TechFest reserves the right to alter the programme information and events without prior notice if required. Apologies for any inconvenience.

AT A GLANCE



SCHOOLS SCIENCE FESTIVAL 2025 | 05

EY, P1 - P3

K'NEX UNDER THE SEA
PONDS AND PEOPLE
CREATIVE CATERpillARS
PUFFIN DETECTIVES

.....

P1 - P3

WILD ABOUT MATHS
TECHFEST DOME - NIGHT AND DAY
ISAACS BIG IDEA
ENERGISING THE TRANSITION - ENERGY EXPLORERS

.....

P1 - P7

WONDERFUL WIND
THE WONDERFUL RAINFOREST
FITLAB EXHIBITS
ACTIVE EARTH

.....

P2- P4

FORCES OF NATURE
THERE'S PLASTIC IN MY SEA!
SCOTTISH ROOTS

.....

P3 - P5

ENERGISING THE TRANSITION - ELECTROMAGNETISM

P4 - P7

MATHS AROUND THE WORLD
CIRCUITS & ELECTRONICS
TECHFEST DOME - THE NIGHT SKY
K'NEX LIGHTHOUSES
DISCOVERING THE COAST
WONDERFUL WIND
FLASH BANG KAPOW!
HAPPY HYDROGEN
COUNTRYSIDE CLASSROOM ON WHEELS
EXPLORING CONSERVATION WITH RZSS

.....

P5 - P7

EUREKA MOMENT
MOONSHOT CHALLENGE
NATURE DETECTIVES
PLANT PROTECTORS
CLIMATE CHANGE AND OUR OCEANS
LEGO © RENEWABLES
CLIMATE CHANGE
DNA DETECTIVES

.....

P6 - P7

PLAY THE BODY GAME
ENERGISING THE TRANSITION - BRIGHT IDEAS
OPERATION DISASTER RELIEF

HOW TO BOOK

Scan the qr code to
view the booking form



JOINT PRINCIPAL SPONSORS



EY, P1 - P3

K'NEX UNDER THE SEA WITH SUBSEA 7

PRESENTED BY: TECHFEST

SPONSORED BY: Subsea7

AGE RANGE: EY, P1- P3

Discover the unique challenges of exploring under the sea, find out how we breathe, what we wear to keep warm and how to move around in the subsea world. What will you discover beneath the waves?

RUNNING TIME: 45 minutes

CFE LINKS: Science, Technology, Engineering



PONDS AND PEOPLE

Your pupils will take on the part of pond creatures, trying to survive pollution that might cause problems! However, if things go badly for their pond, it will be up to your pupils to decide how to heal the pond so that all the animals can return.



PRESENTED BY: ABERDEEN CITY COUNCIL
COUNTRYSIDE RANGER SERVICE

AGE RANGE: EY, P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science

CREATIVE CATERPILLARS

In this workshop, the children will gain an understanding of the life cycle of a caterpillar, based on the famous children's book 'The Very Hungry Caterpillar' by Eric Carle. The children will categorise the food the hungry caterpillar ate in our story as well as other foods the children are familiar with in their everyday diet. The children will be getting their hands dirty creating wild seed min gardens. We will be introducing symmetry using the butterfly in a fun and creative way.

PRESENTED BY: TECHFEST

AGE RANGE: EY, P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science, HWB, Maths

PUFFIN DETECTIVES: A CLIMATE MYSTERY

In this interactive storytelling-style workshop, learners will investigate the effects of climate change on Scottish wildlife via the investigations of two young 'Pufflings' living on the Isle of May. They will discover more about these iconic birds and their way of life, and through a series of fun activities, they will find out how variations in weather affect butterfly populations, seal pups and ultimately the food which the puffins depend on.

PRESENTED BY: DYNAMIC EARTH

AGE RANGE: EY, P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science, Literacy, Social Studies



P1 - P3

WILD ABOUT MATHS

Take a walk on the wild side with TechFest as pupils undertake puzzles, challenges and problem-solving activities inspired by the natural world. In this hands-on maths workshop small teams of pupils work through a series of tasks designed to challenge and build confidence.

PRESENTED BY: TECHFEST

SPONSORED BY: Equinor

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Maths, Science



ISAAC'S BIG IDEA

Pupils will hear the story of Isaac Newton and learn how forces interact with objects. Through storytelling and a range of fun activities students will learn about different forces, and the role they play in everyday life.



PRESENTED BY: TECHFEST

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science

THE TECHFEST DOME – DAY AND NIGHT

What makes day and night? Where does the Sun go at night? This show demonstrates how the Sun moves across the sky during the day in both summer and winter. Find the North Star, the Plough, Orion, Betelgeuse, and Sirius in the night sky and relate them to the Greek constellations.

PRESENTED BY: TECHFEST

SPONSORED BY: Apache

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Maths, Science



ENERGISING THE TRANSITION: ENERGY EXPLORERS

Welcome Energy Explorers! In this fun and interactive workshop learn about different types of energy and the renewable energy sources helping to power our world!

In this energy inspired workshop, pupils get the opportunity to explore the science behind renewable energy and take part in hands-on activities. Join us on this exciting renewable energy journey and discover more about the world around you!

PRESENTED BY: TECHFEST

SPONSORED BY: Apache

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science, Engineering, Renewable Energy



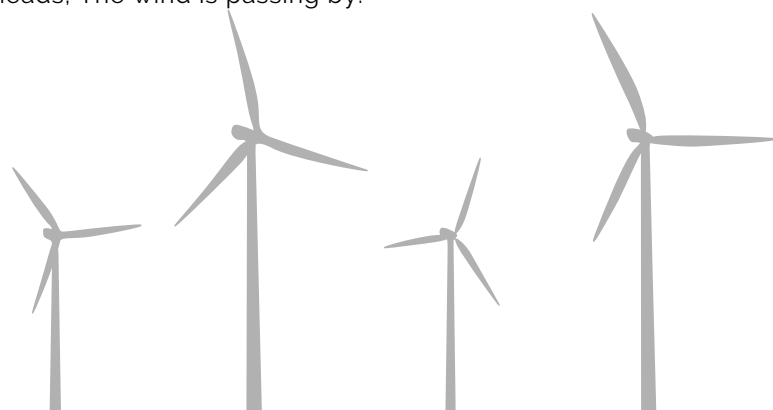
WONDERFUL WIND

This workshop introduces the basic concept of using wind to generate electricity, using poetry to set the context.

Who Has Seen the Wind? By Christina Rossetti

Who has seen the wind? Neither I nor you:
But when the leaves hang trembling,
The wind is passing through.

Who has seen the wind? Neither you nor I:
But when the trees bow down their heads,
The wind is passing by.



PRESENTED BY: TECHFEST

SPONSORED BY: Stromar

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science, Literacy



P1 - P7

THE WONDERFUL RAINFOREST



Rainforests only cover 2 percent of our earth's surface, yet house over 50 percent of all living creatures and plant life on our planet.

Using real life animal demonstrations, we will travel to different countries meeting some amazing animals that live in rainforests around the world. Get up close to real rainforest animals in this workshop. You'll learn what makes our rainforests so important to not only our planet, but to the animals who call the rainforest home

PRESENTED BY: THE CRITTER KEEPER

AGE RANGE: P1- P7

RUNNING TIME: 45/60 minutes

CFE LINKS: Science

FITLAB EXHIBIT WORKSHOP



Your pupils can explore their endurance, power, agility, speed and coordination through a range of zoned exhibits. Participants can compete head-to-head in a brainwave battle, listen to their own heart on our heartbeat drum and test their skills on the balance board during this hands-on, interactive experience.

PRESENTED BY: GLASGOW SCIENCE CENTRE

AGE RANGE: P1- P7

RUNNING TIME: 45 minutes

CFE LINKS: Biological Systems

ACTIVE EARTH

Take a journey through our active earth exploring tectonics, earthquakes and volcanoes with multiple hands-on activities.



PRESENTED BY: RACHEL BRACKENRIDGE AND DAVE CORNWELL - UNIVERSITY OF ABERDEEN, SCHOOL OF GEOSCIENCES

AGE RANGE: P1- P7

RUNNING TIME: 45 minutes

CFE LINKS: Geography, Social Studies

TUESDAY AND
THURSDAY
ONLY

P2 - P7

THERE'S PLASTIC IN MY SEA!



Plastic is everywhere and plays an integral part in our daily lives. This programme explores how much we rely on plastics, its impact to the marine environment and the importance of refusing, reducing, reusing and recycling plastics. Through interactive demos, games and storytelling pupils will explore the impacts of plastic on marine life and what we can all do to help stop single use plastics.

PRESENTED BY: MACDUFF MARINE AQUARIUM

AGE RANGE: P2- P7

RUNNING TIME: 45 minutes

CFE LINKS: Science

MONDAY TO
WEDNESDAY
ONLY

P2 - P4

SCOTTISH ROOTS



Royal
Botanic Garden
Edinburgh

Join the Royal Botanic Garden Edinburgh as we take a journey into a world of plants, myths and legends. Listen to stories to learn about some of our amazing and unique Scottish plants, their traditional uses and the different names they have around our country. Get hands on with activities which get scientific cogs turning and creative ideas flowing and contribute to our collaborative art project with pupils from around Scotland.

PRESENTED BY: THE ROYAL BOTANIC GARDEN EDINBURGH AND ST ANDREWS BOTANIC GARDEN, SUPPORTED BY THE NATIONAL LOTTERY HERITAGE FUND, WITH THANKS TO NATIONAL LOTTERY PLAYERS.

AGE RANGE: P2- P4

RUNNING TIME: 45 minutes

CFE LINKS: Science, Maths, Literacy, Social Studies

FORCES OF NATURE: ENERGY AND THE ENVIRONMENT

Join us to look at different types of weather and how they are associated with the Earth's climate zones. Find out about Greenhouse Gases and the effect they have on our climate.

PRESENTED BY: TECHFEST

SPONSORED BY: Vattenfall

AGE RANGE: P2- P4

RUNNING TIME: 45 minutes

CFE LINKS: Science



BOOK
NOW



P3- P5

ENERGISING THE TRANSITION: ELECTROMAGNETISM!

Understanding the properties of magnets is central to the energy industry and to many aspects of our daily lives. In this hands-on investigative workshop, working in small teams, pupils discover the properties and uses of magnets and magnetism and are introduced to the amazing phenomenon of electromagnetism.

PRESENTED BY: TECHFEST

RUNNING TIME: 60 minutes

SPONSORED BY: CNOOC International **CFE LINKS:** Science

AGE RANGE: P3- P5

P4- P7

P4- P7

MATHS AROUND THE WORLD

A fun, hands-on maths workshop designed to challenge and build confidence. A variety of puzzles, representing different countries, are set out around the room. In small teams, pupils travel around each puzzle with a customised passport logging the countries they have visited. Help and encouragement is at hand and solutions checked.

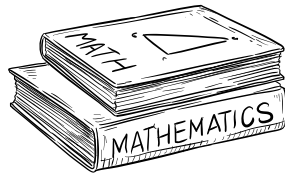
PRESENTED BY: TECHFEST

SPONSORED BY: Equinor

AGE RANGE: P3- P5

RUNNING TIME: 45 minutes

CFE LINKS: Science



THE TECHFEST DOME – NIGHT SKY

A tour of the night sky includes the North Star, the Plough and Orion. Watch how the stars move at night and discover how we get different constellations with the changing seasons. Listen to the amazing story of Perseus and Andromeda and find out which planets you can see in the sky tonight.

PRESENTED BY: TECHFEST

SPONSORED BY: Apache

RUNNING TIME: P4- P7

AGE RANGE: 45 minutes

CFE LINKS: Science, Space



CIRCUITS & ELECTRONICS

Spark your curiosity and discover how electricity works and how to stay safe in this workshop where pupils will create simple circuits and learn about the uses of different components.

PRESENTED BY: ABERDEEN SCIENCE CENTRE

AGE RANGE: P4- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science



THURSDAY - FRIDAY
ONLY
AND WEDNESDAY - TBC

EXPLORING CONSERVATION WITH



Join an expert from the Royal Zoological Society of Scotland as we share stories of local and global conservation; learning about our amazing animals, the issues they face and the actions we can take as organisations and individuals to help them. This interdisciplinary session involves a series of fun games, activities including exploring artefacts.

PRESENTED BY: ROYAL ZOOLOGICAL SOCIETY SCOTLAND

AGE RANGE: P4- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science, Social Studies, HWB, Literacy, Maths

MONDAY -
WEDNESDAY ONLY





P4- P7

K'NEX LIGHTHOUSES

Shine a light of creativity to tackle a historic engineering challenge. Investigate problems associated with the construction of lighthouses. Work in teams and use your engineering skills to develop a lighthouse prototype

PRESENTED BY: TECHFEST

AGE RANGE: P4- P7

RUNNING TIME: 60 minutes

CFE LINKS: Engineering, Other- history



DISCOVERING THE COAST

A look at the East Grampian Coast, its wildlife and the threats that they are facing including marine litter and plastics.

PRESENTED BY: EAST GRAMPIAN COASTAL PARTNERSHIP

AGE RANGE: P4- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science, Environment



WONDERFUL WIND

The workshop explains the fundamentals of wind energy, using high quality equipment and 'playlets' to enhance learning. Introducing concept that energy cannot be created or destroyed, only changed from one form to another.

PRESENTED BY: TECHFEST

AGE RANGE: P4- P7

RUNNING TIME: 45 minutes

CFE LINKS: Science



LAND AND WATER AUGMENTED REALITY SANDBOX (SARNDBOX)



A hands-on exhibit combining a real sandbox, and virtual topography and water created using a closed loop of a Microsoft Kinect 3D camera, powerful simulation and visualization software, and a data projector. The system teaches geographic, geologic, and hydrologic concepts such as how to read a topography map, the meaning of contour lines, watersheds, catchment areas, levees, etc.

PRESENTED BY: DAVID HARO, UNIVERSITY OF ABERDEEN SCHOOL OF GEOSCIENCES

AGE RANGE: P4- P7 **RUNNING TIME:** 45 minutes

CFE LINKS: Geography, Social Studies

ONE DAY ONLY - TBC

HAPPY HYDROGEN

Join us in this interactive workshop looking at the properties of gases and applications of electricity introducing pupils to some of the language and concepts involved in the utilisation of hydrogen as part of the energy mix.

PRESENTED BY: TECHFEST

SPONSORED BY: BP, ABERDEEN HYDROGEN ENERGY LTD

AGE RANGE: P4- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science

FLASH, BANG, KAPOW!

Are you the next generation of scientists? Come along and have fun with us in a workshop that captures the chemistry behind fireworks, learn how to make a bang in the kitchen and try our signature blend of ice cream.

PRESENTED AND SUPPORTED BY: ROBERT GORDON UNIVERSITY SCHOOL OF PHARMACY, APPLIED SCIENCES AND PUBLIC HEALTH

AGE RANGE: P4- P7

RUNNING TIME: 45 minutes

CFE LINKS: Science

THURSDAY & FRIDAY ONLY



P4- P7

COUNTRYSIDE CLASSROOM ON WHEELS



Join us in our Countryside Classroom on Wheels (CCOW) where we give an overview of Scottish Agriculture and look at our livestock.

We will also be looking at Super Cereal Crops and the STEM behind our food. Looking at everything from growing, caring for, harvesting and then the uses of the crops and why we grow certain crops in Scotland.

PRESENTED BY: PRESENTED BY ROYAL NORTHERN COUNTRYSIDE INITIATIVE

AGE RANGE: P4- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science, Environment, Agriculture

THURSDAY & FRIDAY ONLY

P5- P7

CLIMATE CHANGE AND OUR OCEANS



Climate change is affecting our planet in many ways and, as it is a blue planet, the ocean is being impacted on a massive scale. Climate change affects the ocean in three ways, through increased temperature, decreased oxygen levels and increased acidity. These themes will be explored with your class through interactive demos, activities and role play.

PRESENTED BY: MACDUFF MARINE AQUARIUM

AGE RANGE: P5- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science

MONDAY - WEDNESDAY ONLY

MOONSHOT CHALLENGE

NASA's exploration of space has entered an exciting new phase with the designing and building of the Artemis rocket which will take people to the Moon. Scotland's space administration has been asked to design accommodation facilities that can be used on the Moon. Local school pupils are being recruited to help design and make the shelters for astronauts and scientists

PRESENTED BY: TECHFEST

SPONSORED BY: APOLLO, CNOOC INT, EQUINOR, TAQA

AGE RANGE: P5- P7

RUNNING TIME: 60 minutes **CFE LINKS:** Science



P5- P7

PLANT PROTECTORS



Royal Botanic Garden Edinburgh

Uncover the surprising link between cutting your grass and bird nests, explore how a career in rocket science can benefit plants and discover how storytelling can help plants.

Join us for an interactive workshop to learn all this through creativity, investigation and VR exploration. Discover the different skills and technologies that scientists, horticulturists, artists, and others are using to work together to protect nature and meet some of the amazing people with interesting careers!

PRESENTED BY: ROYAL BOTANIC GARDEN EDINBURGH AND ST ANDREWS BOTANIC GARDEN, SUPPORTED BY THE NATIONAL LOTTERY HERITAGE FUND, WITH THANKS TO NATIONAL LOTTERY PLAYERS.

AGE RANGE: P5- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science, Soc, Lit, Eng, HWB

EUREKA MOMENT!

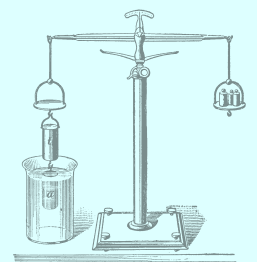
Pupils will learn about the Archimedes Principle, and then apply their knowledge to designing a boat and testing how many marbles it can hold. This workshop contains lots of experimenting with different materials and an introduction to concepts such as Archimedes Principle and density.

PRESENTED BY: TECHFEST

AGE RANGE: P5- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science



NATURE DETECTIVES

Meet the Duthie Park Rangers and become nature detectives! Can you identify the trees in your local park? Do you know which animals walk on their nails? Come and have a look at some animal signs, test your tree ID skills, and learn why tracking is important!

PRESENTED BY: DUTHIE PARK RANGERS

AGE RANGE: P5- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science, Environment



P5- P7

LEGO RENEWABLES

LEGO © Renewables will give your pupils a taste of what it's like to work as an engineer in the renewables industry.

Build a wind turbine to get your pupils cogs turning. During the activity, young people will act as engineers and learn about renewable energy. Then, with help, the class will design and build a functional LEGO © wind turbine.

Once everyone's happy with their turbine, we'll test them to see how much energy they produce.

PRESENTED BY: MY WORLD OF WORK LIVE

AGE RANGE: P5- P7

CFE LINKS: Science, Technology

RUNNING TIME: 45 minutes



DNA DETECTIVES

Dive into the wonderful world of genetics! Learn about DNA, the marvellous molecule that contains the instructions for all life on earth! You can even try your hand at translating some DNA sequences to find the hidden meaning. Find out what your DNA says about you!

PRESENTED BY: TECHFEST

AGE RANGE: P5- P7

CFE LINKS: Science

RUNNING TIME: 60 minutes



CLIMATE CHANGE



During this workshop, your pupils will investigate how the UK has been affected by climate change over recent decades and the implications of this for the future. Using a combination of discussion and activities, pupils will investigate the greenhouse effect and identify sources and sinks of greenhouse gases. They will finish off by playing 'Science or Fiction', an interactive game exploring some of the solutions being proposed to combat climate change.

PRESENTED BY: DYNAMIC EARTH

AGE RANGE: P5- P7

CFE LINKS: Science, Technology, Literacy, Social Studies

RUNNING TIME: 45 minutes



P6 -P7

PLAY THE BODY GAME

LIMITED AVAILABILITY

The Body Game aims to demystify and provide clarity on how biochemical processes occur in the body. The game tasks players working in small groups to explore the human body through missions and challenges linked to key biochemical processes. At the same time, players must deal with external factors based on real-life medical scenarios such as disease and other human biochemistry and physiology modifiers. Therefore, they gain an understanding of the processes covered in the game, all of which link to human metabolism.

PRESENTED BY: INSTITUTE OF EDUCATION IN HEALTHCARE AND MEDICAL SCIENCES, UNIVERSITY OF ABERDEEN

AGE RANGE: P6- P7

RUNNING TIME: 60 minutes

CFE LINKS: Science- Body Systems, Topical Science and Physical Wellbeing.



P6-P7

ENERGISING THE TRANSITION: BRIGHT IDEAS

Look around you. Are the lights on? Is your computer running? Or the TV playing? All of these things require energy! We use energy every day to power our world.

In this workshop, delve into the exciting future of energy and take part in hands-on, interactive experiments to learn about different energy sources, and the trade-offs associated with each. Which energy source will you choose to power your future?

PRESENTED BY: TECHFEST

SPONSORED BY: CNOOC INTERNATIONAL

AGE RANGE: P6-P7

CFE LINKS: Science, Technology

RUNNING TIME: 45 minutes

OPERATION DISASTER RELIEF



STEM skills are vital when the British Army deploys around the world and are never more crucial than when disaster strikes! In this activity, pupils will join the Army's Engineers, Medics and Logisticians in deploying to a remote part of the world which has been hit by a destructive earthquake. Learning how to build, programme and operate their LEGO™ Mind-storm robot pupils will use their robot to undertake a series of engineering and logistical challenges in order to achieve their mission and deliver life-saving humanitarian aid to the local people.

PRESENTED BY: ROYAL ENGINEERS ARMY STEM YOUTH ENGAGEMENT TEAM NCO (SCOTLAND)

AGE RANGE: P6-P7

RUNNING TIME: 60 minutes

CFE LINKS: Maths, Technology, Engineering

BOOK NOW



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ACTIVITY WEEKEND 2025



SCHOOLS SCIENCE FESTIVAL 2025 | 13

31ST MAY - 1ST JUNE 2025



"So impressed with the whole event. We all learned something today from my grandson aged 2 to me at 66!!" - AW guest

"Brilliant! Thought we'd pop along for an hour to see what it was like, 5 hours later and we had to drag the kids away (likewise ourselves). So much variety, lots of fun learning. Really great day. Thank you." - AW guest

"It was a lovely venue for it. All the staff and volunteers were so friendly and helpful. TechFest is doing a great thing, thank you to you and your sponsors and the associated organisations for putting this on for us." - AW guest





THE **CREST AWARDS** SCHEME IS THE BRITISH SCIENCE ASSOCIATION'S 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: www.techfestsetpoint.org.uk/crest or email: kirstycranna@techfest.org.uk

TECHFEST

Promoting Science, Technology, Engineering and Mathematics

Scottish Charity No. SC010319

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:

www.crestawards.org

THANK YOU!

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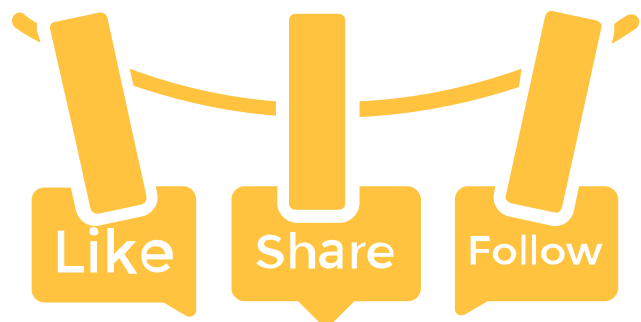
To all of our contributors who helped make the TechFest 2025 Schools Festival Programme



Royal Botanic Garden Edinburgh



GET IN TOUCH WITH US...



Butchart Centre, University of Aberdeen
University Road, Aberdeen AB24 3UT
E. enquiries@techfest.org.uk

techfest.org.uk



Scottish Charity No. SC010349

THE 2024 SPONSORS ARE BELOW. TECHFEST WANTS TO THANK ITS SPONSORS AND SUPPORTERS FOR THEIR INVALUABLE CONTRIBUTIONS. WE LOOK FORWARD TO CONTINUING OUR PARTNERSHIP AND COLLABORATING AGAIN IN 2025!

WE WOULD LIKE TO THANK OUR SPONSORS AND SUPPORTERS*

JOINT PRINCIPAL SPONSORS



SPONSORS



STRATEGIC PARTNER



SUPPORTED BY

