TechFest

Promoting Science, Technology, Engineering and Mathematics

Scottish Charity No SC010349

JOINT PRINCIPAL SPONSORS

ADURA   bp

2026

SCHOOLS SCIENCE FESTIVAL

19 - 20 May

Venue: Zoology Building, University of Aberdeen

AND

27 – 29 May

Venue: Robert Gordon University

WWW.TECHFEST.ORG.UK

Scottish Charity No. SC010349

TECHFEST
PRIMARY SCHOOL'S PROGRAMME 2026

As Joint Principal Sponsors of TechFest 2026, bp and Adura are delighted to 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

Neil McCulloch
CEO
Adura

IMPORTANT!

TechFest is delighted to present its Schools Science Festival Programme for 2026 - 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 **£3.00** 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.
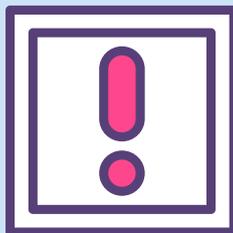
PLANNING YOUR VISIT

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 onsite to support your school First Aiders. 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 the festival so please make sure that you and your pupils bring a packed lunch with you. 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.

CONTENT

TUE 19 & WEDS 20 MAY, ZOOLOGY BUILDING

UNIVERSITY OF ABERDEEN — 1495

EY, P1 – P3

- Ponds and People

P1 – P7

- Gruesome Guts Show
- The Wonderful Rainforest
- Investigating Invertebrates
- Predator or Prey
- Active Earth

P3 – P5

- Energising the Transition - Electromagnetism

P4 – P7

- Harsh Habitats

P5 – P7

- Scottish Roots
- Happy Hydrogen

P6 – P7

- Energising the Transition - Bright Ideas
- Archaeology Through Microscopes and 3D Models
- Solving a Crime - Brick by Brick

HOW TO BOOK

Scan the qr code to view the booking form

WED 27 – FRI 29 MAY

RGU ROBERT GORDON UNIVERSITY ABERDEEN

EY, P1 – P3

- K'Nex Dinosaurs
- Ponds and People
- Creative Caterpillars
- Secrets of the Senses

P1 – P3

- Wonderful Wind
- Wild About Maths
- TechFest Dome – Night and Day
- Isaacs Big Idea
- Energising the Transition - Energy Explorers

P1 – P7

- The Wonderful Rainforest
- BodyVision Exhibits
- Active Earth
- Investigating Invertebrates
- Glorious Germs
- Gruesome Guts

P3 – P5

- Energising the Transition - Electromagnetism

P4 – P7

- Robot Playground
- TechFest Dome – The Night Sky
- K'Nex Lighthouses
- Discovering the Coast
- Wonderful Wind
- Flash Bang Kapow!
- Land and Water Augmented Reality Sandbox
- Countryside Classroom on Wheels
- Discovering DNA with RZSS
- Apollo 7 Challenge

P5 – P7

- DNA Detectives
- LEGO © Renewables
- Eureka Moment
- Scottish Roots
- Smart Home Design
- Rescue Ready Runway Challenge
- Get BridgED!
- Happy Hydrogen
- Lego SPIKE Prime Robot Navigation

P6 – P7

- Energising the Transition - Bright Ideas
- Material Detectives: Trace the Material Journey

EY, P1 - P3

K'NEX DINOSAURS

PRESENTED BY: TechFest

An introduction to the fascinating world of engineering design. Kid K'NEX allows younger children to develop their construction skills and build up their creative confidence by producing their own unique model.

AGE RANGE: EY, P1- P3   **VENUE:** RGU

RUNNING TIME: 45 minutes

CFE LINKS: Science, Technology, Engineering

PONDS AND PEOPLE

PRESENTED BY: ABERDEEN CITY COUNCIL COUNTRYSIDE RANGER SERVICE

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.

AGE RANGE: EY, P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science   **VENUE:** UoA & RGU

CREATIVE CATERPILLARS

PRESENTED BY: TechFest

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.

AGE RANGE: EY, P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science, HWB, Maths   **VENUE:** RGU

SECRETS OF THE SENSES

PRESENTED BY:
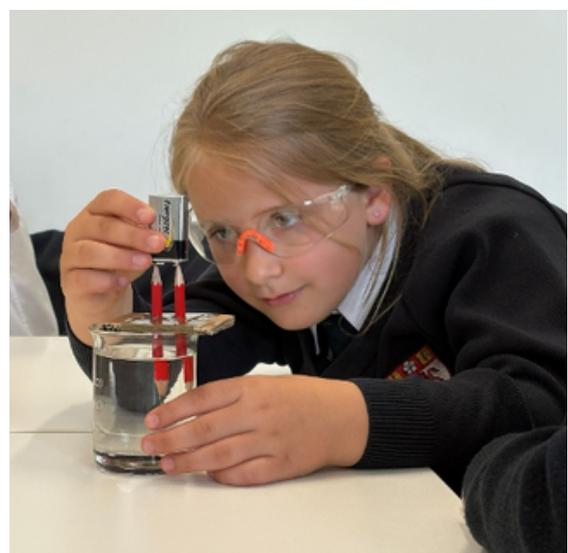
Duthie Park Ranger Service

Learn about various senses and test yourself with our sensory challenges. Pupils will aim to identify hidden items using only touch and scent, try to recognise different types of birds through hearing their calls, and test their sight by spotting the camouflaged animals hiding in their natural environments.

AGE RANGE: EY, P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science   **VENUE:** RGU

P1 - P3

WILD ABOUT MATHS

PRESENTED BY: TechFest

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.

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Maths, Science

VENUE: RGU

THE TECHFEST DOME – DAY AND NIGHT

PRESENTED BY: TechFest

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.

SPONSORED BY: Apache

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Maths, Science

VENUE: RGU

ISAAC'S BIG IDEA

PRESENTED BY: TechFest

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 the play in everyday life.

AGE RANGE: P1- P3

RUNNING TIME: 45 minutes

CFE LINKS: Science

VENUE: RGU

ENERGISING THE TRANSITION: ENERGY EXPLORERS

PRESENTED BY: TechFest

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!

AGE RANGE: P1- P3   **RUNNING TIME:** 45 minutes

VENUE: RGU   **CFE LINKS:** Science, Engineering, Renewable Energy

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WONDERFUL WIND

PRESENTED BY: TechFest

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.

RUNNING TIME: 45 minutes   **CFE LINKS:** Science, Literacy
AGE RANGE: P1- P3   **VENUE:** RGU

P1 - P7

ACTIVE EARTH

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

1495
UNIVERSITY OF ABERDEEN

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

AGE RANGE: P1- P7   **VENUE:** UoA & RGU

RUNNING TIME: 45 minutes

CFE LINKS: Geography, Social Studies

P1 - P7

THE WONDERFUL RAINFOREST

PRESENTED BY: THE CRITTER KEEPER

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

AGE RANGE: P1- P7   **VENUE:** UoA & RGU

RUNNING TIME: 45/60 minutes

CFE LINKS: Science

GLORIOUS GERMS

PRESENTED BY: TechFest   **VENUE:** RGU

Plunge into the mysterious world of sickness and disease. Learn about the transmission of germs and how to protect your body. How long would you have lasted during an outbreak of the Black Death?

AGE RANGE: P1- P7

RUNNING TIME: 45/60 minutes

CFE LINKS: Science, Health & Wellbeing

BODYVISION EXHIBITS

PRESENTED BY: GLASGOW SCIENCE CENTRE

Participants will get hands-on with a range of engaging anatomy-themed exhibits. They will address topics like cardiovascular fitness, body composition and the effects of lifestyle choices like smoking.

AGE RANGE: P1- P7   **VENUE:** RGU

RUNNING TIME: 45 minutes

CFE LINKS: Biological Systems

INVESTIGATING INVERTEBRATES — THE TINY RIVER CREATURES WITH BIG CLUES

PRESENTED BY:
KEILIDH EWAN, RIVER DEE TRUST EDUCATION & OUTREACH OFFICER

Step into the secret world of the river's smallest residents! Join the River Dee Trust team and become a biologist for the day, using tools to uncover real life mini-beasts that hide beneath the water's surface. Use your detective skills to identify different species and reveal the mysteries they hold about the health of our rivers and the quality of our water.

AGE RANGE: P1- P7   **VENUE:** UoA & RGU

RUNNING TIME: ·45/60 minutes

CFE LINKS: Science, Environment

PREDATOR OR PREY

PRESENTED BY: UNIVERSITY COLLECTIONS ZOOLOGY MUSEUMOSCIENCES

Who is eating who in the Zoology Museum?

Join the team from the University of Aberdeen's Zoology Museum to find the top predators and their prey and learn about natures food chain.

AGE RANGE: P1- P7   **VENUE:** UoA

RUNNING TIME: ·45/60 minutes

CFE LINKS:

GRUESOME GUTS

PRESENTED BY: TechFest

Follow the journey of food from your mouth, through the acid bath in your stomach, along metre after metre of pulsating guts and out the other end! Find out how the body gets energy and nutrients from food, and what waste we leave behind.

Children learn about the key organs and functions in the digestion system. The idea is that we follow the journey of a piece of food from the mouth all the way through the digestive system and out the other end.

AGE RANGE: P1- P7 **RUNNING TIME:** 45/60 minutes

CFE LINKS: Science, Health & Wellbeing **VENUE:** UoA & RGU

P3- P5

ENERGISING THE TRANSITION: ELECTROMAGNETISM!

PRESENTED BY: TechFest   **SUPPORTED BY:** CNOOC

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.

AGE RANGE: P3- P5   **VENUE:** UoA & RGU

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

P4- P7

CODES AND CYPHERS

PRESENTED BY: TechFest

Explore the enigmatic history of codes and cyphers in this hands-on session. Students will learn how to send secret messages and how they can be broken, inspired by dastardly deeds and historical intrigue.

AGE RANGE: P4- P7   **RUNNING TIME:** 45/ 60 minutes

CFE LINKS: Maths, Literacy   **VENUE:** RGU

K'NEX LIGHTHOUSES

PRESENTED BY: TechFest   **VENUE:** RGU

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

RUNNING TIME: 60 minutes   **AGE RANGE:** P4- P7

CFE LINKS: Engineering, Other- history

DISCOVERING THE COAST

PRESENTED BY:
East Grampian Coastal Partnership

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

AGE RANGE: P4- P7   **RUNNING TIME:** 60 minutes

CFE LINKS: Science, Environment   **VENUE:** RGU

ROBOT PLAYGROUND

PRESENTED BY: Aberdeen Science Centre

Put your pupils' creativity and problem-solving skills to the test! Working in small groups, pupils will build and programme LEGO Spike models to tackle a variety of problems.

AGE RANGE: P4- P7   **CFE LINKS:** Science

RUNNING TIME: 45 minutes   **VENUE:** RGU

THE TECHFEST DOME — NIGHT SKY

PRESENTED BY: TechFest   **VENUE:** RGU

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.

SPONSORED BY: Apache   **RUNNING TIME:** 45 minutes

AGE RANGE: P4- P7   **CFE LINKS:** Science

APOLLO 7 CHALLENGE

PRESENTED BY: TechFest   **VENUE:** RGU

Ensuring astronaut safety is one of the biggest challenges faced by NASA engineers. This workshop aims to facilitate pupils working as a team to apply physics and engineering principles in a dynamic and creative way to bring an astronaut safely back to Earth.

AGE RANGE: P4- P7   **RUNNING TIME:** 60 minutes

CFE LINKS: Science, Space and Forces

WONDERFUL WIND

PRESENTED BY: TechFest

VENUE: RGU

AGE RANGE: P4- P7

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.

CFE LINKS: Science   **RUNNING TIME:** 45 minutes

P4- P7

FLASH, BANG, KAPOW!

PRESENTED BY: Robert Gordon University School of Pharmacy, Applied Sciences and Public Health

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.

AGE RANGE: P4- P7 **CFE LINKS:** Science

RUNNING TIME: 45 minutes **VENUE:** RGU

LAND AND WATER AUGMENTED REALITY SANDBOX (SARNDBOX)

PRESENTED BY: David Haro, University of Aberdeen School of Geosciences

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.

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

CFE LINKS: Geography, Social Studies **VENUE:** RGU

HARSH HABITATS

PRESENTED BY: Aberdeen Biodiversity Centre

Join the team from Aberdeen Biodiversity Centre in their Harsh Habitats workshop which introduces children to some of the different habitats in the world and how animals and plants are adapted to live there.

AGE RANGE: P4- P7 **RUNNING TIME:** 60 minutes

CFE LINKS: Science, Social Studies **VENUE:** UoA

DISCOVERING DNA WITH RZSS

PRESENTED BY: ROYAL ZOOLOGICAL SOCIETY SCOTLAND

Join the Royal Zoological Society of Scotland to discover how investigating DNA is helping our conservation charity to protect wildlife all over the world! In this hands-on workshop you'll step into the shoes of a conservation scientist to investigate how our WildGenes team are reversing the decline of endangered species.

AGE RANGE: P4- P7 **VENUE:** RGU

RUNNING TIME: 60 minutes

CFE LINKS: Science, Literacy, Maths

COUNTRYSIDE CLASSROOM ON WHEELS

PRESENTED BY: PRESENTED BY ROYAL NORTHERN COUNTRYSIDE INITIATIVE

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.

AGE RANGE: P4- P7 **VENUE:** RGU

RUNNING TIME: 60 minutes

CFE LINKS: Science, Environment, Agriculture

P5- P7

DNA DETECTIVES

PRESENTED BY: TechFest

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!

AGE RANGE: P5- P7 **CFE LINKS:** Science

RUNNING TIME: 60 minutes **VENUE:** RGU

P5- P7

LEGO RENEWABLES

PRESENTED BY: My World of Work Live

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.

AGE RANGE: P5- P7   **RUNNING TIME:** 45 minutes

CFE LINKS: Science, Technology   **VENUE:** RGU

EUREKA MOMENT!

PRESENTED BY: TechFest

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.

AGE RANGE: P5- P7   **CFE LINKS:** Science

RUNNING TIME: 60 minutes   **VENUE:** RGU

SMART HOME DESIGN

PRESENTED BY: TL TECH

Become an Internet of Things (IoT) engineer for the day and prototype your very own smart home. You'll learn about smart homes and their benefits and the importance of user-centred design. By the end of the workshop, you'll have gained an appreciation of the different use cases, the importance of accessibility and how a smart home can help you and your family to live well.

AGE RANGE: P5- P7   **RUNNING TIME:** 60 minutes

CFE LINKS: Technology   **VENUE:** RGU

RESCUE READY RUNWAY CHALLENGE

PRESENTED AND SUPPORTED BY:

Robert Gordon University, School of Computing, Engineering & Technology

A rescue helicopter needs a brand-new helipad – but there's a problem. Can you help by designing and building a model helipad that is strong, stable, and able to hold as much weight as possible without collapsing. This hands-on workshop is designed to spark curiosity, foster teamwork, and develop essential skills in a fun and engaging way. Get ready to innovate, create, and conquer the challenge!

As you build, you'll also think like a computer scientist by developing a simple algorithm, step-by-step instructions, to plan, test, and improve your design. Just like engineers use coding to solve problems, you'll use logical thinking and mini design-loops to make your helipad stronger each time.
Think like an engineer. Build like an inventor. Test like a scientist. Problem-solve like a coder.

AGE RANGE: P5- P7   **VENUE:** RGU

RUNNING TIME: 60 minutes

CFE LINKS: Computing, Engineering, Technology

SCOTTISH ROOTS

PRESENTED BY: 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.

VENUE: UoA & RGU

Join the Royal Botanic Garden Edinburgh on a journey which merges storytelling, folklore, scientific investigation and traditional plant uses to learn about some of the most interesting Scottish plants. Use scientific skills to solves problems, discover some of the stories hidden in plant names and connect with Scottish plant heritage. Pupils will also contribute to our plant storybook where you can write your own plant stories as well as hearing the stories of pupils across Scotland!

AGE RANGE: P5- P7   **RUNNING TIME:** 60 minutes

CFE LINKS: Science, Maths, Social Studies, Literacy

GET BRIDGED!!

PRESENTED BY: Aberdeen Association of Civil Engineers

VENUE: RGU

Building minds, bridging the future. Learn to work as a team to build a real bridge you can walk across. Get to understand what civil engineers do and how bridges work.

AGE RANGE: P5- P7   **RUNNING TIME:** 60 minutes

CFE LINKS: Engineering, Technology, Maths

P5- P7

HAPPY HYDROGEN

PRESENTED BY: TechFest

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.

AGE RANGE: P5 - P7 CFE LINKS: Science

RUNNING TIME: 60 minutes   VENUE: UoA & RGU

LEGO SPIKE PRIME ROBOT NAVIGATION

PRESENTED BY: George Slater, Soaring STEM

Build and code a robot to navigate a specified route with speed and accuracy as success criteria. Measuring bearings and ranges to plan route. Children work in small groups with their robot.

SPONSORED BY: RAF YOUTH STEM

AGE RANGE: P5 - P7

RUNNING TIME: 60 minutes   VENUE: RGU

CFE LINKS: Computing, Engineering, Technology

P6- P7

SOLVING A CRIME BRICK BY BRICK: WHO KILLED MR BODE AT THE BOUTIQUE HOTEL?

PRESENTED BY:

The James Hutton Institute

This interactive session will take the student through a mock crime scene constructed in Lego ©. From the discovery of the scene, identifying and prioritising clues, recovering evidence, comparing human DNA traces to identifying a suspect.

AGE RANGE: P6 - P7 CFE LINKS: Science

RUNNING TIME: 45 minutes   VENUE: UoA

P6- P7

ENERGISING THE TRANSITION: BRIGHT IDEAS

PRESENTED BY: TechFest   VENUE: UoA & RGU

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?

SUPPORTED BY: CNOOC INTERNATIONAL

AGE RANGE: P6-P7

CFE LINKS: Science, Engineering, Renewable Energy

RUNNING TIME: 60 minutes

ARCHAEOLOGY THROUGH MICROSCOPES AND 3D MODELS

PRESENTED BY: University of Aberdeen Archaeology, Edouard Masson-MacLean and colleagues

Step into the world of modern archaeology and explore how scientists study the past using microscopes, measurements, and 3D technology. In this hands-on workshop, you will examine real bones or artefacts, look for tiny marks and clues using a microscope, take simple scientific measurements, and discover how physical objects can be transformed into digital 3D models. Learn how archaeologists combine observation, science, and technology to reconstruct stories from ancient remains.

AGE RANGE: P6-P7

CFE LINKS: ·Maths, Technology, Engineering

RUNNING TIME: 60 minutes   VENUE: UoA

MATERIAL DETECTIVES: TRACE THE MATERIAL JOURNEY

PRESENTED BY:

RGU Scott Sutherland School of Architecture

An interactive, hands-on workshop where pupils become 'detectives,' exploring the life cycle of everyday construction materials through clue-based activities. The aim of the workshop is to introduce pupils to the life cycle of materials and material passports while demonstrating how traceability is key in driving circular building practices.

VENUE: RGU   RUNNING TIME: 60 minutes   AGE RANGE: P6-P7

CFE LINKS: Technology, Engineering, Social studies

ACTIVITY WEEKEND 2026

UPCOMING EVENTS

30 - 31 MAY

★★★★★

"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

CREST AWARDS

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.

CREST Awards are now free in Scotland. Please use the code **T22echFest56** to order your certificates at no cost, which also supports TechFest.

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. SC010349

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

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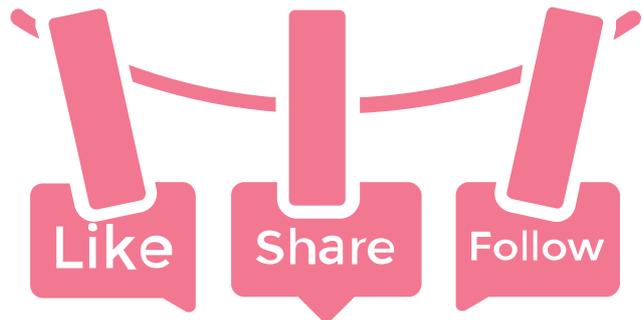TECHFEST IS KINDLY HOSTED BY THE UNIVERSITY OF ABERDEEN

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