

Promoting Science, Technology, Engineering and Mathematics

Scottish Charity No SC010349

# \*EARLY YEARS WORKSHOPS 2024

For enquiries, please contact:

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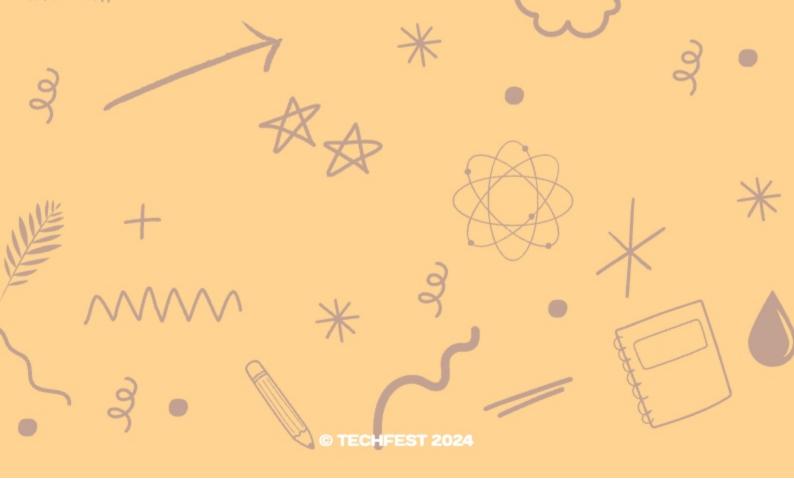






# CONTENTS

|        | ////                    | V    |  |
|--------|-------------------------|------|--|
| \<br>\ | WORKSHOP                | PAGE |  |
|        | GLORIOUS GERMS          | 5    |  |
|        | TERRIFIC TEETH          | 6    |  |
|        | CREATIVE CATERPILLARS   | 7    |  |
|        | WILD ABOUT MATHS        | 8    |  |
|        | CREST - Confusing Cans  | 9    |  |
| 00     | CREST - Be Seen Be Safe | 10   |  |
|        | SLEEPY HEDGEHOG         | 11   |  |
| /      | TECHFEST TALES          | 12   |  |



**Booking Information:** If you would like to book one of our workshops, please contact us:

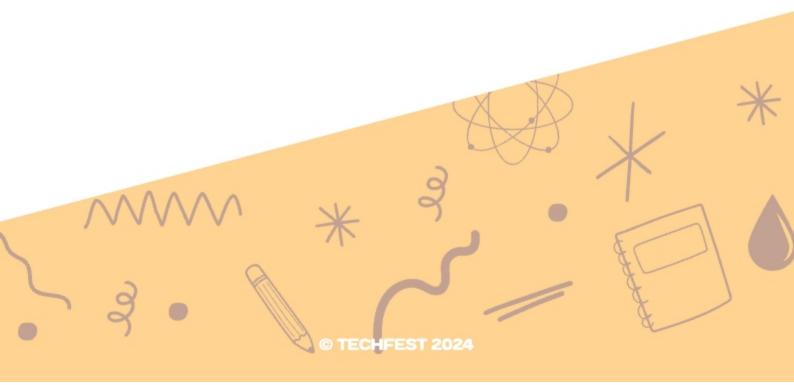
E: jennytaylor@techfest.org.uk

Maximum capacity for workshops: 30 pupils - please note there is no cost for staff

Fee: £86 per core workshop (with 2 presenters) + mileage cost of £15 per day visit.

Due to the high cost of living we have had to take the hard decision to apply mileage costs to all our core workshops. To make it fair to all schools across the Aberdeen and Aberdeenshire area we have averaged out the cost to £15 and will place this on all bookings from 01 April 2023.

For nurseries out with Aberdeen and Aberdeenshire, mileage is charged at 45p per mile and is calculated from TechFest offices (Butchart Centre, University of Aberdeen, University Road, Aberdeen, AB24 3UT).





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







# **KEY CONCEPTS**

Learn about the transmission of germs and how to protect your body. Using blue light technology we will let the children visually inspect their technique. Children will be using their imagination to create their own germs which they can take home. As a nursery group we will provide a fun experiment that the children can keep observing in the coming weeks.

| AGE RANGE:                | AGE 3-6   |
|---------------------------|---|
| RUNNING TIME:             | 45 MINUTES/1 HOUR   |
| CFE LINKS                 | SCN 0-20A, 1-13A<br>TCH 0-04C, 0-09A, 0-11A<br>HWB 0-15A, 0-33A               |
| WORKSHOP<br>REQUIREMENTS: | PRESENTER CHAIR AND TABLE CHAIRS AND TABLES FOR PUPILS TO WORK AT FLOOR SPACE |



## **KEY CONCEPTS**

A fun and interactive experiment investigating the science behind a healthy smile. Children will help scientists at the "Bright Smile Toothpaste Company" make and test a new, top secret toothpaste recipe. Examination of ingredients and simple experiments encourage children to build their investigative skills and scientific understanding.

| AGE RANGE:                | AGE 3-6  |
|---------------------------|--|
| RUNNING TIME:             | 45 MINUTES/1 HOUR  |
| CFE LINKS                 | SCN 0-03A,0-07A, 0-15A<br>TCH 0-14A<br>MNU 0-02A, 0-10A, 0-20A<br>HWB 0-15A, 0-33A<br>LIT 0-04A, 0-19A<br>EXA 0-14A<br>SOC 0-15A |
| WORKSHOP<br>REQUIREMENTS: | PRESENTER CHAIR AND TABLE  CHAIRS AND TABLES FOR PUPILS TO WORK AT  FLOOR SPACE  |

# CREATIVE CATERPILLARS

## **KEY CONCEPTS**

In this workshop the children will gain an understanding of the lifecycle of a caterpillar, based on the famous children's book 'The Very Hungry Caterpillar' by Eric Carle. The children will categorise the food that 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 mini gardens. Using the presenters scientific knowledge we will show the children how to grow a butterfly using basic household items. We will be introducing symmetry using the butterfly as a reference in a fun and creative way.

| AGE RANGE:                | AGE 3-6  |
|---------------------------|--|
| RUNNING TIME:             | 45 MINUTES/1 HOUR  |
| CFE LINKS                 | MNU 0-01A, 0-02A, 0-19A, 0-16A<br>SCN 0-01A,<br>TCH 0-04A<br>HWB 0-11A, 0-21A<br>LIT 0-01B, 0-01C<br>EXA 0-14A |
| WORKSHOP<br>REQUIREMENTS: | TABLES AND CHAIRS (APPROXIMATELY 6-10<br>CHILDREN AROUND EACH TABLE).  |



# WILD ABOUT MATHS

# **KEY CONCEPTS**

We will start this workshop by reading "How many legs?" by Kes Gray and Jim Field. This will get the children thinking about nature and how to differentiate animals by the number of legs. In an interactive game of higher or lower the children will be helping us get the number line back in order. The children will have the opportunity to create their very own number bond bird. To finish, we will provide the natural resources to create nature crowns for the children to take home.

| AGE RANGE:                | AGE 3-6  |
|---------------------------|--|
| RUNNING TIME:             | 45 MINUTES/1 HOUR  |
| CFE LINKS                 | MNU 0-02A, 0-03A, 0-16A, 0-20A, 0-20B<br>Lit 0-01c, 0-04A, 0-10A |
| WORKSHOP<br>REQUIREMENTS: | CLEAR SPACE FOR CHILDREN TO SIT TABLES FOR ACTIVITIES            |



# CREST'S "CONFUSING CANS"



# **KEY CONCEPTS**

In this workshop the children will be introduced to Cosmic, Gem and Uncle Astro. Using a scientific experiment the children will work out what is inside unlabelled cans of food helping Uncle Astro to feed cosmic and Gem their favourite lunch. There will be an opportunity for the children to create their own labels to organise the cans of food to help Uncle Astro.

| AGE RANGE:                | AGE 3-6   |
|---------------------------|---|
| RUNNING TIME:             | 45 MINUTES/1 HOUR   |
| CFE LINKS                 | SCN 0-04A, 0-07A, 0-15A<br>TCH 0-04B, 0-04C, 0-10A<br>MNU 0-11A, 0-16A, 0-20A, 0-20B<br>HWB 0-14A 0-22A |
| WORKSHOP<br>REQUIREMENTS: | CLEAR SPACE FOR CHILDREN TO SIT TABLES FOR ACTIVITIES   |

# CREST'S "BE SEEN BE SAFE"



# **KEY CONCEPTS**

In this workshop the children will hear about Cosmic and Gem visiting their Aunt Stella and the dangerous turn of events. The children will investigate how Cosmic and Gem could be seen and be safe in their everyday lives. The children will get the opportunity to design the ideal outfit to get them to and from nurtsery safely

| AGE RANGE:                | AGE 3-6  |
|---------------------------|--|
| RUNNING TIME:             | 45 MINUTES/1 HOUR  |
| CFE LINKS                 | SCN 0-15A, 0-20A<br>TCH 0-04B, 0-04C<br>MTH 0-16A, 0-20A, 0-20B<br>HWB 0-16A, 0-17A, 0-18A |
| WORKSHOP<br>REQUIREMENTS: | CLEAR SPACE FOR CHILDREN TO SIT TABLES FOR ACTIVITIES                                      |

# SLEEPY HEDGEHOG



# **KEY CONCEPTS**

This story-based workshop uses a game, activities and poetry to learn about familiar wild animals, their tracks and homes. The hibernation of hedgehogs is the main thread in the storyline.

| AGE RANGE:                | EY - P1  |
|---------------------------|--|
| RUNNING TIME:             | 45 MINS  |
| CFE LINKS                 | SCN 0-20A<br>LIT 0-01A / LIT 0-11A / LIT 0-20A<br>LIT 0-19A  |
| WORKSHOP<br>REQUIREMENTS: | ROOM REQUIREMENTS: TABLES ARRANGED AROUND THE OUTSIDE OF THE ROOM IN A GENEROUS U SHAPE, WITH AN OPEN FLOOR AREA IN THE CENTRE WHERE CHILDREN CAN SIT. |

# TECHFEST TALES



# **KEY CONCEPTS**

Snuggle down for science with some favourite bedtime stories. This creative and imaginative introduction into a range of STEM (Science, Technology, Engineering and Mathematics) topics is aimed to excite and enhance the students' experience of science and literacy with hand on experiments and demonstrations.

| AGE RANGE:                | EY - P1  |
|---------------------------|--|
| RUNNING TIME:             | 45 MINS  |
| CFE LINKS                 | LIT 0-01C<br>HWB 0-30A, HWB 1-30A, HWB 1-30B, HWB 0-50A /<br>HWB 1-50A<br>SCN 0-06A, SCN 1-06A<br>HWB 0-23A, SCN 0-03A, MTH 0-13A, HWB 0-50A |
| WORKSHOP<br>REQUIREMENTS: | CHAIRS FOR PRESENTERS AND ADULTS AREA FOR CHILDREN TO SIT AROUND PRESENTER FOR INTRODUCTION  |



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:
www.techfestsetpoint.org.uk/crest
or email:
kirstycranna@techfest.org.uk

#### TECHFEST digital

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