

**My**  
**Science**  
**FAIR**

**17th March 2024**  
**10am - 3pm**  
**Online programme**

Supported by:

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Making physics matter



Part of:



**WILTSHIRE**  
*Live* **MUSIC**  
**CENTRE**  
BRADFORD ON AVON

# WELCOME TO WILTSHIRE MUSIC CENTRE

Welcome to **My Science Fair!**

My Science Fair returns to Wiltshire Music Centre as a part of British Science Week. This free family event for all ages is run by the Creative Learning team at Wiltshire Music Centre, and is full of opportunities for you to get involved and have fun!

At the heart of the Fair is the **Project Competition**. The children have chosen a topic, provided by the final year Communicating Physics students from the University of Bath, and created their own scientific investigation which will be judged by real scientists!

Make sure that you take a look at all of their hard work and join us for the project competition prize giving at the end of the day.

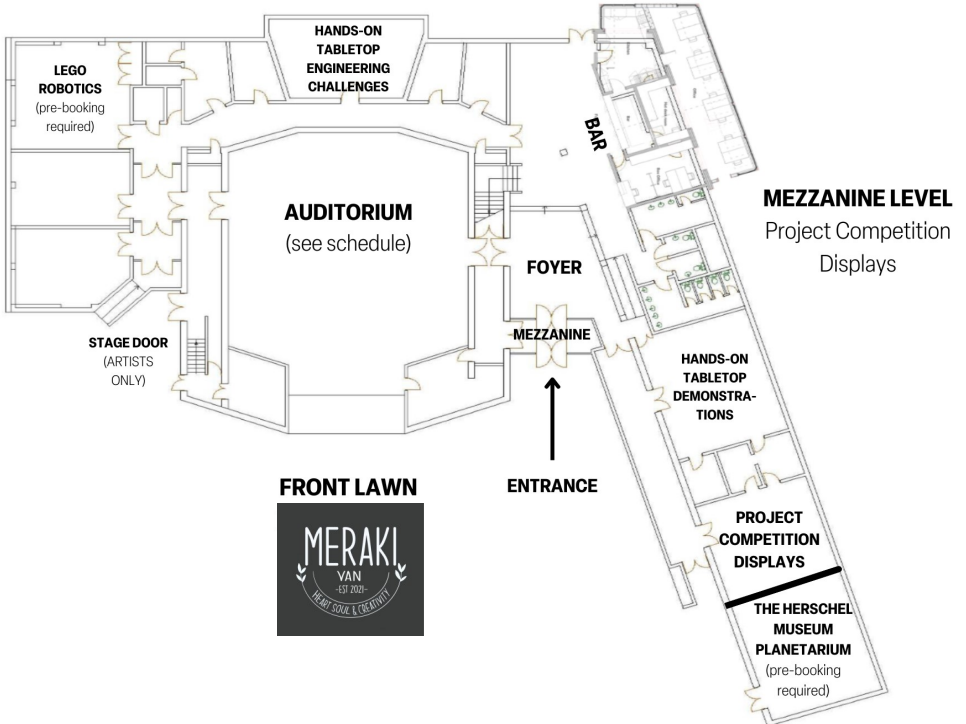
In addition to this, we have an exciting and diverse programme this year, featuring performances, workshops, demonstrations and experiences that will make the mind boggle!

Our thanks go to those who have helped make the Fair a success, including staff, judges, volunteers, artists and our young scientists. Read on and find out more about the day, and the rest of the Creative Learning work we do here at WMC!





# MY SCIENCE FAIR 2024 SITE MAP



Share your My Science Fair 2024 experience



@wiltshiremusic



@wiltshiremusiccentre



## AUDITORIUM



### **‘The History of Sound’ with Fun Science**

10:30 - 11:10 & 13:40 - 14:20

Find out how sounds are made and how people have used instruments and technology through the years to share their music with others. This interactive show will teach you all about sound waves, give you a chance to hear the first ever musical instrument and explains how modern music players work!

### **‘A Science Rappers Guide to the Solar System’ with Rap Science**

11:20 - 12:40

A tour of the solar system with a difference! Join science presenter Jon Chase as he explains just how extreme our solar system can be, through the use of science-based raps that you can join in with! He’ll be answering questions like: How big is the solar system? How puny is Pluto? How cold is a crater? What’s the smelliest planet? Caution: contains facts of a humorous nature.

### **‘Commotion in the Ocean’ with Communicating Physics Students from The University of Bath**

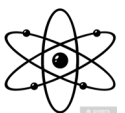
13:00 - 13:30

Ever wondered how sea creatures speak to each other underwater? How does human-made noise affect marine life? How do we even hear sounds in the first place? Come along to this pop-up show for a fun-filled interactive demonstration by students at The University of Bath to find out.

### **MSF24 Project Competition Prize Giving**

14:30 - 15:00

Join us for the MSF24 Project Competition Prize Giving in the Auditorium to celebrate the amazing hard work of local primary school children across Wiltshire and Somerset.





## PRE-BOOKED WORKSHOPS



**Please only attend these sessions if you have pre-booked a ticket in advance.**

### **LEGO Robotics Workshop with CGI Group**

*Henry Smart Room*

Explore the exciting world of LEGO Robotics and solve challenges by building fantastic creations and programming robots to do simple tasks!

### **Planetarium Discoveries with The Herschel Museum**

*TR1*

Visit the Herschel Museum's Planetarium to find out all about Astronomers William and Caroline Herschel, and take a trip into outer space!

### **Stories in the Planetarium**

Listen to out of this world stories and enjoy the view of stars and planets dancing above your heads.

### **Amazing Space Discoveries**

Travel on a journey through space to find out about William and his sister Caroline's amazing space discoveries, from the planet Uranus to comets and nebulae galore!

## **AND LOOK OUT FOR...**

### **MSF24 Project Competition Displays**

Explore the amazing hard work of local primary school children across Wiltshire and Somerset in TR1 and up on the Mezzanine.

*See MSF24 Project Competition Page overleaf for more information*

### **A note to parents/carers:**

At this busy event, please remember you are responsible for the safety of your children at all times.



## ALL DAY ACTIVITIES



10.00—15.00

### NESTLE ROOM

#### **Hands-on Tabletop Engineering Challenges with the Women in Engineering Society (WES) at The University of Bath**

Join the WESBath team and test your science skills in the following challenges:

- Steady hand game - Straw tower challenge - Cup boomerang

### TR2

#### **Tabletop demonstrations from The University of Bath Physics Students**

Don't forget to explore the tabletop demonstrations all about stars and light from The University of Bath Communicating Physics Students!

#### **Create a Planisphere star map with The Herschel Museum**

Do you know what will be in the sky tonight? Make and decorate a simple map of the stars called a planisphere, then learn how to use it to spot constellations in the night sky.

#### **Cool Catalysts with The University of Bath Chemistry Students**

Join Chemistry students from the University of Bath and find out all about how the water we drink is made safe through the use of catalysts.

## FOOD AND DRINK

**Greek savoury pastries, sweet treats, plus artisan coffee and cold drinks** provided by Meraki Van

**Family-friendly snacks and drinks** at the WMC Bar



# MY SCIENCE FAIR 2024 PROJECT COMPETITION

**The My Science Fair 2024 Project Competition** gives primary school children aged 5 - 11 the opportunity to design and complete their own investigation from a choice of topic areas, provided by the Final Year Communicating Physics Students from The University of Bath.

They have been working with the help of their family and friends, producing posters and models which you can find in TR1 and up on the Mezzanine. Make sure you take a look at all of their hard work!

Today, they will be judged by our fantastic team of judges, who will look at the participants' **creativity, application, innovation and presentation**. Join us for the **Project Competition Prize Giving** in the Auditorium at 14:30 to celebrate their hard work!



## JUDGING TEAM



**Stephen Bull**  
**Adrian Gould**  
**Dr Gary Mathlin**  
**Dr Vicky Scowcroft**  
**Dr Nouf Zaghloul**  
**Adam Wild**  
**Alistair Bett**  
**Bethany Fenn**  
**Oscar Hares**  
**Maddison Millwood**

Chartered Engineer  
Chartered Engineer  
University of Bath  
University of Bath  
University of Bath  
PhD Candidate / University of Bath  
BSc Physics Student  
BSc Physics Student  
BSc Physics Student  
BSc Physics Student





## WHO ARE CREATIVE LEARNING AT WMC?



My Science Fair is one of many projects and activities run by our Creative Learning department. We want everyone to have the opportunity to be creative at Wiltshire Music Centre (WMC). From primary school workshops, to our Youth Panel, Zone Club to Celebrating Age Wiltshire, we love working with our community.

There are lots of opportunities for young musicians to develop and enrich their musical learning at WMC, including two youth orchestras and a jazz ensemble for young musicians aged 12+.

We have some great events and concerts coming up too—many of which are free for Under 25s. Why not join us on an adventure through the whizzpopping stories of Roald Dahl with a family-friendly concert by the West of England Youth Orchestra (WEYO) on 12 April? Or try some new creative activities during our Summer Fun programme in July & August?



For more information about our programme, visit [www.wiltshiremusic.org.uk/creativelearning](http://www.wiltshiremusic.org.uk/creativelearning) or contact us at [creativelearning@wiltshiremusic.org.uk](mailto:creativelearning@wiltshiremusic.org.uk).



# UPCOMING FAMILY SHOWS

FRI 12 APR 3PM & 6PM



**Suitable for ages 3+**

**£16** / £8 U18s + students.

U18 months free on parent's lap.

## MUSIC AND STORYTELLING WITH THE WEST OF ENGLAND YOUTH ORCHESTRA

Once upon a time... four of the most magical words in the English language! But what happens when you add music to a story? We'll be finding out when some of Roald Dahl's most famous texts are set to music. Join the West of England Youth Orchestra for a captivating musical celebration of beloved author Roald Dahl's work. We'll hear Paul Patterson's fantastic setting of Little Red Riding Hood, music from Tim Minchin's record-breaking West End musical Matilda, plus plenty more surprises - all conducted by WEYO favourites Karen Ni Bhroin and Tom Redmond. This concert is fun for the whole family!

SUN 5 MAY 2PM



**Suitable for ages 3+**

**£12** / £7 U18s + students.

U18 months free on parent's lap.

## THE CHIMPANZEES OF HAPPY TOWN

Meet Chutney the Chimpanzee who, with one small act of planting a seed, transforms the lives of the entire town of Drabsville, and teaches its inhabitants to celebrate their differences, making life more colourful along the way! Celebrating the importance of love and happiness, Paul Rissmann's hour-long musical retelling of Giles Andreae and Guy Parker-Rees' much-loved picture book is performed by Ensemble 360 and narrator Lucy Drever. With narration, visuals from the book and plenty of chances to join in, this is a brilliant concert for 3-7 year-olds.

**DON'T MISS: 1PM PLAYSHOP** Free for ticket-holders.



## DID YOU KNOW THAT WE ARE A CHARITY?



Only 30% of our income comes from ticket sales, so to continue the work we do we rely on your help. Please help us to survive in continuing to offer this fantastic community event for future years by donating in the following ways:

- ⇒ In our see-through cash box and donation buckets in the Foyer
- ⇒ By joining our Friends & Angels scheme - please ask at our Box Office or find out more on our website
- ⇒ By making a one-off donation to My Science Fair at the Box Office or by the QR code below

*thank you!*

**DONATE  
NOW**

Simply scan this  
QR code with your  
phone camera





To all of the artists, practitioners, volunteers and supporters of My Science Fair 2024

MY SCIENCE FAIR 2024 SUPPORTERS

CREATIVE LEARNING SPONSOR:



PROJECT PARTNERS:



FUNDERS OF MSF24:



Making physics matter

WILTSHIRE MUSIC CENTRE SUPPORTERS:

PRINCIPAL FUNDERS



Supported using public funding by  
ARTS COUNCIL ENGLAND



PARTNERS



St Laurence School

