

Saturday 5th October 2019

Activity 10:30am – 1:00pm Sidmouth Library

Fun Palaces: Have a go at an easy experiment with Libraries Unlimited
Children Aged 3 - 11

Talk 2:00pm – 3:00pm Kennaway Cellar Bar

Dr Pete Etchells – Lost in a Good Game

Why people play video games and do they affect our behaviour?
16 - Adult

Activity 5:30pm – 8:00pm Cycle Bridge. The Byes

Bat Catching Research Session

Join ecologist Louise Woolley to help catch bats for identification purposes as part of the Sid Valley Bat Project



13 – Adult

Sunday 6th October 2019

Talk 11:00pm – 12:00pm Sailing Club

What If ... you don't have a Power of Attorney?
What If ... You need a little extra help at home?
Helpful tips for the elderly or those looking after them
Supported by Age Concern 16 – Adult

Activity 2:00pm – 3:00p Norman Lockyer Obs.

History Walk around the NLO: All ages

Talk 1:00pm – 1:50pm Sailing Club

Lewis Jones – The Golden Hour

Why the first hour after an accident is so critical
16 – Adult

Talk 2:00pm – 3:00pm Sailing Club



Steve Austen – Science and lifeboat safety

How science is improving lifeboat safety

16 – Adult

Talk 3:00pm – 3:30pm

Sailing Club

Defibrillator Technology

Dfsf fdsag fdgsgarghhh fgfdgdg agfdgf

16 – Adult

Activity 10:00am – 1:00pm

Esplanade

Emergency Service Vehicles

See inside an ambulance, fire engine and police car and ask staff what it is really like to respond to an emergency
All ages

Activity 10:00am – 4:00pm

Esplanade

Hands on Science

Have a go at lots of hands on science experiments
giant balloons, bubbl
electricity, vacuum
vessels and more...



Talk 7:00pm – 9:00pm

All Saints' Church

Professor Meric Srocosz – Caring for the Oceans

Looking at changing ocean dynamics including temperature, acidity, salinity, sea levels and ice melt, followed by questions and discussion.
(Part of the Scientists in Congregations Programme)

SCIENTISTS IN CONGREGATIONS

16 – Adult

Monday 7th October 2019

Talk 7:30pm – 9:00pm

Norman Lockyer

Observatory

Professor Ian Robson - The Supermassive Black Hole at the Centre of our Galaxy

How we know about such phenomena and what it means for the formation and evolution of galaxies in the Universe
16 – Adult

Tuesday 8th October 2019

Activity 10:00am – 12:00pm

Lyme Bay Winery

Visit to the Lyme Way Winery

Booking Essential

Adult

Talk 3:00pm – 4:00pm

Kennaway Cellar Bar

Dr Stephanie Merry – Wave and tidal power:

combating climate change

16 – Adult

Ada Lovelace Day

Talk 7:00pm – 9:00pm Kingswood and Devoran Hotel



Pint of Science

Fdgsgdf gfdgfg hh grrtyre grghhh rwert
wgrg wagtr trtre tgretre

Adult

Wednesday 9th October 2019

Talk 11:00am – 12:00pm

Parish Church

Alexandra Drysdale – The Story of Blue on Art

Where does the blue in medieval illuminated manuscripts come from? How did chemists of the nineteenth century invent synthetic blues? Come along and discover more about how the colour blue has been used in art.
16 – Adult

In conjunction with the Art Society of Sidmouth

Activity 2:00pm – 3:30pm

Sidmouth Museum

Dr Roger Trend - Explore the geology of the Jurassic Coast
£2.50 each

16 – Adult



Wednesday 9th October 2019 (continued)

Talk 2:00pm – 3:00pm **Parish Church**

Dr Paul Matts – Skin Disease

Skin Disease, covering its scope and incidence (all the way from acne to serious, life-threatening conditions), its effect on the individual (from physical disability to the huge issue of stigma and ostracism).

16 – Adult

Talk 3:00pm – 4:00pm **Parish Church**

Professor Andrew Jones – Sports Science, Exeter

Helping Kenyan athlete Eliud Kipchoge to achieve a world record in the marathon

16 – Adult

Talk 7:00pm – 9:00pm **Blue Ball, Sidford**

Pint of Science - gfdgfd

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tthtyyjhuy et Tetr hyth t rte ty tyhtreyhtr
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Adult



Exhibition **Kennaway House**

Thursday 10th to Saturday 12th

Schools art exhibition from Sidmouth Primary, Newton Poppleford Primary, Sidbury Primary, and Tipton St John Primary on the theme of emergency services



Downloaded from Dreamstime.com

Thursday 10th October 2019

Workshop 1:30pm – 4:30pm **Sidholme Music Room**

Melanie Mehta - L.O.V.E. – Language of Voice for Everyone

Workshop based around the structure, function and effective use of the voice. Often we think of voice being “singing” but voice is much more than that. This session will use both a presentation and practical exercises to highlight how the voice is made up, what impacts on our voice, how to care for our voices and exercises to warm up and maintain good voice use.

Adult



In conjunction with the British Voice Association

Activity 2:00pm – 3:00pm **Norman Lockyer Observatory**

History Walk around the NLO: **All ages**

Talk 7:30pm – 4:30pm **Manor Pavilion Theatre**

Professor Danielle George - Big Universe Big Data: how to handle the vastness

We have been measuring the physical world for a long time, so what's changed? The 'Internet of Things'....What is all the hype about? In a word, its connectivity. We can now connect all sorts of everyday objects such as fridges, heart monitors and aeroplane engines. Professor George will explore how this is impacting our world today.

16 – Adult



In conjunction with the Sid Vale Association

Friday 11th October 2019

Talk 2:30pm – 3:30pm **Manor Pavilion Theatre**

Dame Julia Slingo - Climate Change: A defining challenge for the 21st Century

Dame Julia considers the evidence for human influences on our climate, and describes how computer simulations of weather and climate tell us about the future. The potential impacts of future climate change will be discussed, along with the implications for how we produce and use energy, as well as managing Earth's limited resources

16 – Adult



In conjunction with the Devonshire Association

Festival Reception 6:45pm – 7:30pm **Kennaway House**

With Guest Speaker Mr Philip Jenkinson, Her Majesty's Deputy Lord-Lieutenant of Devon
By invitation and for Friends of the Science Festival

Talk 7:30pm – 9:00pm **Kennaway House**

Professor Mike Depledge – Re-imagining Nature and our place in it

The threat to our continued survival from climate change, biodiversity loss, pollution and many other environmental stressors have led to calls for urgent action. How can we meet the exciting challenge of re-imagining Nature and our place in it, for the future

16 – Adult

Schools

Sidmouth Science Festival also puts on a programme of science activities inside local schools including Sidmouth College, Sidmouth Primary, Newton Poppleford Primary, and Tipton St John Primary

SUPER SCIENCE SATURDAY

Saturday 12th October 2019

Parish Church

Talk 10:30pm – 11:30am

Dr Juha Saatsi –What do we know about the nature of light? **16 – Adult**

Talk 11:40pm – 12:40pm

Pete Drewett – Sport Science and Successful Rugby Union Performance Will the team that wins the World cup in Japan on November 2nd 2019 be the best at implementing Sport Science ? **10 – Adult**

Talk 1:00pm – 2:00pm

Mandy Kingdom – Bio-archaeology Exploring Exeter's Medieval Population **16 – Adult**

Free Hands-on activities for all the family

Follow the dinosaur footprints to each venue and stamp your card. Collect 6 stamps, then return your card to Kennaway House before 5:00pm to be entered into the prize draw

11:00am – 5:00pm

Unitarian Church

Tesla Coils and Electrical Show – Alec Jefford

Flashes and bangs and tricks you didn't know you could do!

All



Double Elephant

Drop in print workshop

All

11:00am – 5:00pm

Lifeboat Station

Sidmouth Lifeboat

Find out about the work of the Sidmouth Lifeboat **All**

11:00am – 5:00pm

Methodist Hall

Royal Society of Chemistry

All

Exeter Maths School

Mathematical puzzles to entertain

All

Exeter University Medical School

All

Quekett Microscopical Club

Investigate the unseen world with microscopes

All



Institute of Civil Engineers

Hands on building activities for all

All

Exeter Department of Sport and Health Science

All

11:00am – 5:00pm

Masonic Hall

Geology in our lives – minerals, rocks, fossils, and dinosaurs

The geo-hall will be packed with stands offering hands on activities, demonstrations, displays, models, fossils, minerals, rocksand much more.

Talks 11:15am – 11:45am

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Talks 12:00pm – 12:30pm

Fdggf gfdsg gf gfdg gfrd gfd gfrf rfbg fbsb sbh a

Talks 1:30pm – 2:00pm

Fdggf gfdsg gf gfdg gfrd gfd gfrf rfbg fbsb sbh a

11:00am – 5:00pm

Market Square

Giant Bubbles

Be amazed by giant bubbles within bubbles!

All

11:00am – 5:00pm

Kennaway House

Colyton Grammar School and Petroc College

Cellar Bar

Hands on fun and hair raising demonstrations – you will be amazed! **All**

Wonder Workshops, Fablab and Colin White's Sporting Balls

Blue Room

Experiments to amaze and find out about the science of what we kick, throw and hit in sport. **All**

Metamaterials and College of Science, Engineering and Maths

Yellow Room

All

Met Office and Environment Agency

Hatton Room

Learn more about weather forecasting and how we prepare for floods **All**

Astrophysics and Institute of Physics

Amyatt Room

Explore the furthest reaches of the Universe and then the physical world here on earth **All**

Pinhole Camera

Outside

See how the very first cameras produced a picture **All**

11:00am – 5:00pm

Cricket Club Field

Drone Racing with Hillbilly Hot Quads



Watch exciting drone racing and use the virtual reality headsets to fly the course

All

7:00pm – 8:30pm

Norman Lockyer Observatory

Granny Galactica

Musical theatre based on science by David Haynes following the story of Granny Nettle on a journey around the cosmos led by Franklin, an alien robot *Booking essential* **Children**

Sunday 13th October 2019

11:00am – 4:00pm **Norman Lockyer Observatory**
Entry: £8 Adults – Children and Friends Free

Activity 11:00am – 12:00pm **NLO Entrance (free)**
History Walk around the NLO

Show 11:30pm – 12:30pm
Science Boffins including Rocket Launch
Jaw dropping scientific experiments, mind blowing demonstrations and entertaining, interactive games

All

Show 12:30pm – 12:45pm
Juggling – with Juggling John

All

Talk 1:00pm – 2:00pm
Dr Adam Rutherford – Book of Humans
We like to think of ourselves as exceptional beings, but are we really any more special than other animals? In an original and entertaining tour of life on Earth, Adam Rutherford will explore how many of the things once considered to be exclusively human are not.

16 – Adult

Talk 2:15pm – 3:15pm
Dr David Whitehouse - Apollo 11 The Inside Story

16 – Adult



Activity: 3:30pm
Jet Car Racing
Build your own jet car or race the one you have built earlier (kits available for £5 – see website) Under 18

Activities: 11:00am – 4:00pm
Space Detectives – with Jo Richardson
Virtual reality system simulating space flight

Cheltenham Science Group
Activities for preschool children

Under 11



Hands on Activities
Build your own jet car to race, make your own motor, build the tallest spaghetti tower, Robots with Colin Walls, Pop Pop boating racing

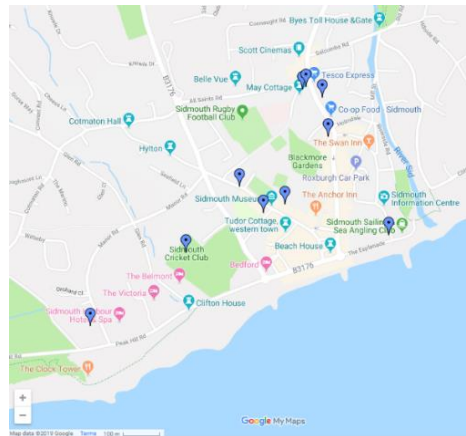
Coding workshop – with 2 Times Do
Story Telling with Mike O’Leary
Planetarium Shows

Visit to the Telescopes – Lockyer, Kensington and Connaught

St Theresa’s Hall

Talk 7:00pm – 8:00pm
SCIENTISTS IN CONGREGATIONS

Dr Euan Nisbet – Caring for the Atmosphere
Greenhouse warming, pollution and climate change
(Part of the Scientists in Congregations Programme)



St

Theresa’s Hall Norman Lockyer Observatory
Photos and Videos may be taken for promotional purposes

Sidmouth Science Festival



Saturday 5th – Sunday 13th October
2019

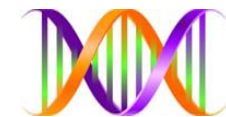
Welcome to the 8th Sidmouth Science Festival
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Festival Sponsors



Our Event sponsors and Supporters are shown on the website

Sidmouth SCIENCE Festival



QR Code

For the latest information look on our website
<https://www.sidmouthsciencefestival.org/>