



IRIS FESTIVAL OF

# NATURAL HISTORY

& ART, CLASSICS AND MORE

CHENEY SCHOOL  
Wednesday 27th March 2019  
3.30 - 6pm

[www.rumblemuseum.org.uk](http://www.rumblemuseum.org.uk)



Rumble Museum





# Welcome to our Museum Celebration Festival



This event is to celebrate the Rumble Museum at Cheney submitting its final application for accreditation to the Arts Council, paving the way to becoming the first ever accredited museum in a state school.

Museums from across and beyond Oxfordshire have joined us to create a museum trail across the school, with a particular focus on natural history, while including the breadth and richness of museum exhibitions and learning in all areas. As well as our large Natural History & Science area, you will be able to explore our Anthropology, Art, Archaeology and Storytelling Zones. In each one, you will find a range of exciting displays, stalls and activities, all connected to an overarching trail theme which you can follow on the way!

This brochure contains information about the external organisations bringing stalls, activities, artefacts and displays. As well as this, there will be many “pop-up” activities and stalls led by Cheney students, which aren't included in the brochure.

We are enormously grateful to the very many organisations and volunteers who are supporting this event, and to Cheney School staff and students for supporting the festival in many ways.

**Dr Lorna Robinson, Director, Iris Project and Rumble Museum**

**Mr David Gimson, Higher Attainers Co-ordinator at Cheney**

# Discovery Zone 1

## Welcome to our Natural History Zone!



Natural history is the story of the living organisms and natural ecosystems of our planet through space and time. It is based on the systematic compilation of observations, classifications, and descriptions across all cultures in the quest to understand the living world more deeply. In our Western world, natural history forms part of the foundation of a diverse set of disciplines, including: biology, ecology, botany, nature education, and various artistic disciplines such as illustration, poetry, and photography.

### Did you know?

Dragonflies were some of the first winged insects to evolve, some 300 million years ago. Modern dragonflies have wingspans of only two to five inches, but fossil dragonflies have been found with wingspans of up to two feet.



In our Natural History Zone, you can find:

### The Oxford Natural History Museum

The Oxford University Museum of Natural History houses over 7 million specimens from the only organic remains of a Dodo to the world's first dinosaur ever scientifically described. Included in its collections are over 5 million insects and the British insect collection. Come and take part in activities to find out all about what makes these little creatures the most important animals on Earth and meet some live ones as well as seeing some amazing specimens from our collections.

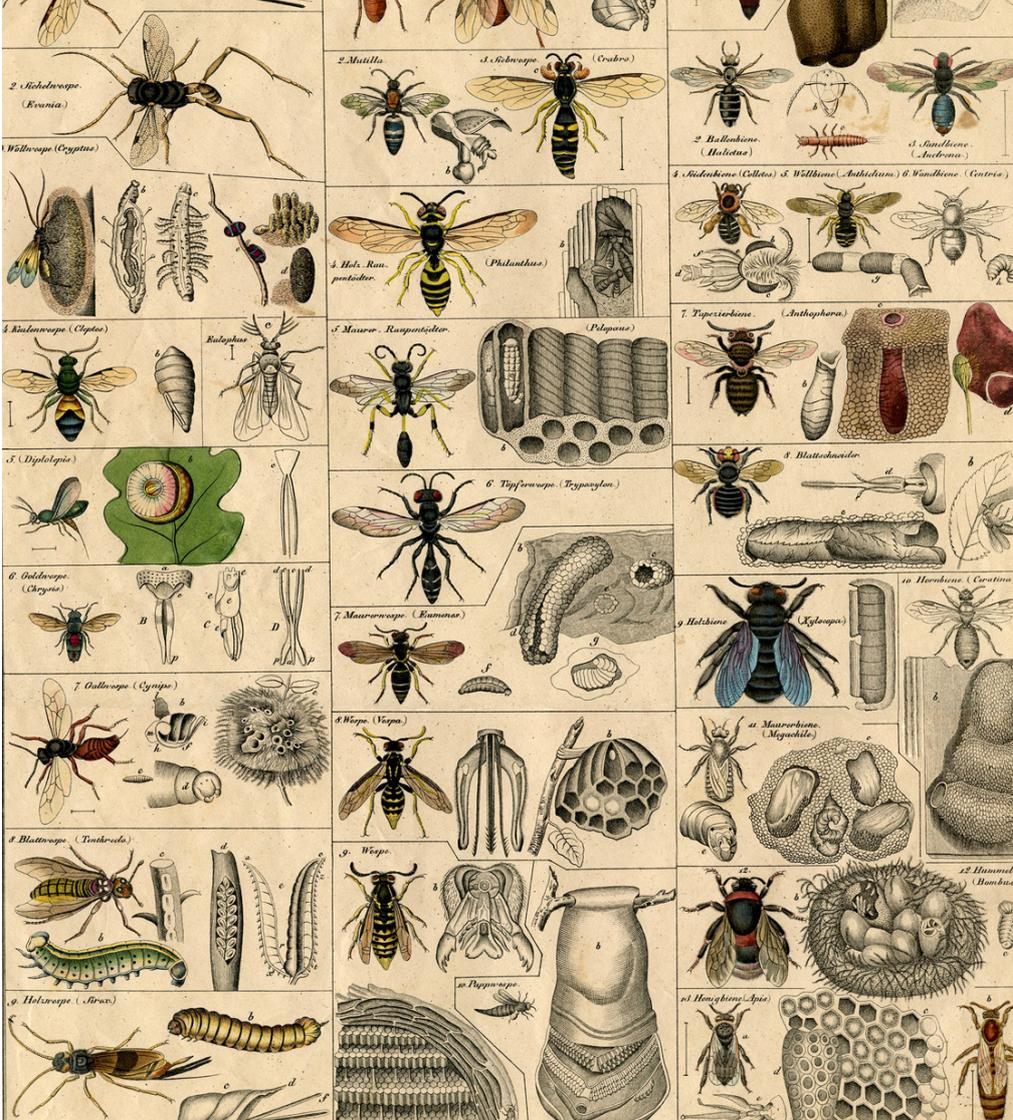
### Museum of the History of Science

The Museum of the History of Science houses a remarkable collection of historical scientific instruments and models including globes, orreries, early radio apparatus, mathematical and time telling instruments, a medical collection, and Einstein's famous blackboard!

Activity: 'Lovelace's Labyrinth' Join Lovelace and Babbage to discover clever calculators and other mathematical instruments. Challenge yourself to mathematical puzzles and problem-solving.

### The Travelling Natural History Museum

The Travelling Natural History Museum started as a highly successful educational exhibition enjoyed by all types of people from school children to serious dinosaur enthusiasts across South East England. They will be bringing animatronic dinosaurs, (who will stage a battle every half an hour), fossil pits and a range of fascinating exhibitions!



## Brookes University Botanical Society

Come join the Oxford Brookes Botanical Society looking at pollen grain images and using microscopes to look at plant structures. Learn more about how to make your garden bug friendly by creating bug hotels - and their usefulness!

## Cole Museum

The Cole Museum of Zoology at the University of Reading was established in the early 20th century by Francis Cole, Professor of Zoology from 1907 to 1939. The museum contains some 3500 specimens, with around 400 on display that are arranged in taxonomic sequence. Come and see some of our natural history specimens!

## Siemens Healthineers Magnets

Siemens Healthineers Magnet Technology are the No.1 provider of superconducting magnets to the healthcare industry. One in three MRI systems in the world has a superconducting magnet at its heart made in Oxford. Come and see our magnet technology at work.

## University of Oxford Department of Clinical Neuroscience

Come and join us to explore hidden and unknown brain cells, so-called astrocytes, and get the chance to be the "fastest astrocyte" in our fun brain ball pond competition! We are researchers from the University of Oxford's clinical neurosciences department working with human stem cells to discover more about how nerve cells and other brain cells work together in a healthy brain.



### Department of Earth Sciences, University of Oxford

In late 79 CE, Vesuvius erupted with devastating consequences. The eruption is one of the earliest for which we have first-hand accounts, since it was described a few years later by Pliny the Younger. Two thousand years later, are we any better prepared for the next 'Plinian' eruption of Vesuvius? Could the Romans have predicted the eruption? And, once it had started, could they have done anything else to escape? This hands-on activity will explore the science of eruption forecasting using party poppers; and the science of volcanic eruptions, using a 3D printed volcano model.

### Millets Falconry

Millets Farm Falconry Centre is home to over 100 birds of prey from tiny Owls to huge Eagles it is the largest attraction of its kind in Oxfordshire. You will not be able to admire a wide and diverse range of birds of prey and see what they are capable of and learn how they live in the wild.

### The Nuffield Department of Clinical Neurosciences

The Nuffield Department of Clinical Neurosciences, University of Oxford will be hosting stalls on vision and sleep. Discover how the eye works and "see" how different visual disorders can affect your vision. Are you an owl or a lark? Come and find out more about sleep and the mechanisms involved.

### Zoology Department, University of Oxford

The Oxford Silk/Biotremology Groups in the Zoology Department at the University of Oxford are investigating the silent world of spiders, their webs and their enigmatic vibrations. Come to our stand to learn more about why spiders are expert engineers and how they could help us design next generation robotic systems.

### East Oxford Primary School Planetarium

East Oxford Primary School invites you to look up at the stars and explore our Solar System. Find out how the moon orbits the earth and the earth orbits the sun using our Orreries, which we have made in DT or plan a trip beyond our Solar System using our travel brochures for as yet undiscovered planet.

### Isis Muon and Neutron Course

The ISIS Neutron and Muon Source is a state-of-the-art research centre in the physical and life sciences. Discover how we use our particle accelerator and sub-atomic particles to look deep within materials to understand the world we live in, from spider silk and soaps, to ancient swords and superconductors.

### Bodleian Library

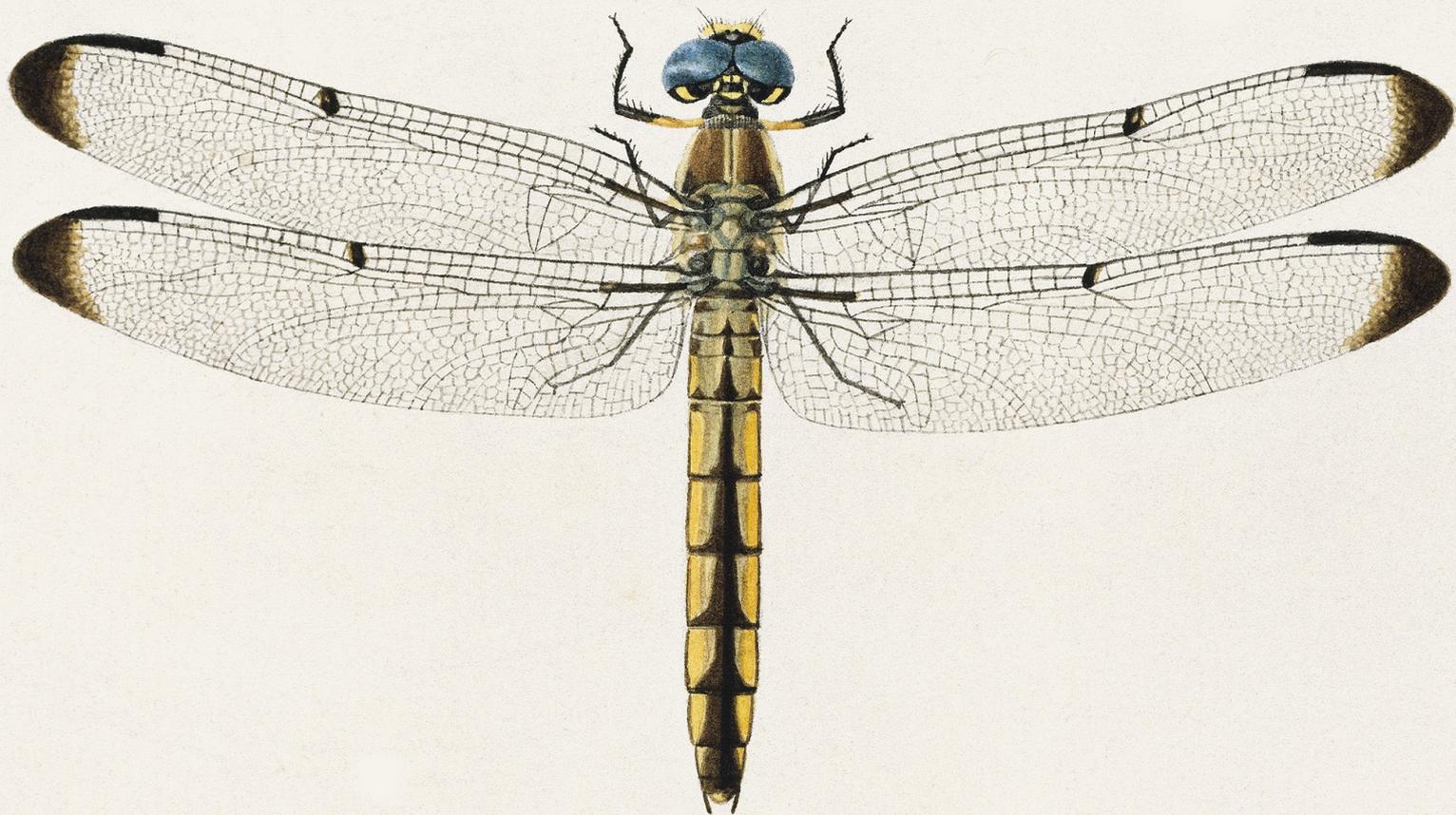
Get a taste of the exciting new exhibition, Thinking 3D, at the Weston Library. How many 3D shapes can you make from 2D nets? Follow in the footsteps of Plato, Leonardo da Vinci, and Albrecht Dürer by investigating the fascinating world of three dimensional geometry. Learn about 3D shapes, build your own models to take away, and discover a question mathematicians have been trying to answer for 500 years.

### Department of Physiology Anatomy and Genetics

We study how embryos and embryonic hearts of different species, e.g. fish, chicks and mice, develop using high power microscopy. We will be bringing microscopes, live fish embryos and 3D printed models of developing hearts. We work closely with Micron who will be bringing a 3D printer and other displays.

### Dino Cocktails

Come and sample a range of Dino-themed cocktails made from a range of juices, other soft drinks and ingredients! As well as this, there will be some dinosaur activities to enjoy, all devised and run by a team of Cheney students.



# Discovery Zone 2

## Welcome to our Archaeology Zone!



Archaeology is the study of the ancient and recent human past through material remains. From million-year-old fossilized remains of our earliest human ancestors in Africa, to 20th century buildings in present-day New York City, archaeology analyses the physical remains of the past in pursuit of a broad and comprehensive understanding of human culture. Archaeology helps us understand not only where and when people lived on the earth, but also why and how they have lived, examining the changes and causes of changes that have occurred in human cultures over time.

### Did you know?

In Southwest America the ancient Indians believed dragonflies sky to be water and sky beings. They were depicted in rock art by two parallel horizontal lines with a central vertical line cutting through.



In this section, you can find:

### Ashmolean Museum

The Ashmolean is the University of Oxford's museum of art and archaeology, founded in 1683. Our world famous collections range from Egyptian mummies to contemporary art, telling human stories across cultures and across time. Explore and handle objects from the Ashmolean Museum's diverse art, classics and archaeology collections and find out more about our work with schools, families and young people.

### Ure Museum

The Ure Museum of Greek Archaeology (University of Reading) is an integral part of the Department of Classics and houses the 4th largest collection of Greek pottery in the country. However, we also have a great amount of artefacts from other Ancient Mediterranean civilizations, such as a fantastic group of terracotta figurines of Cypriot origin. As part of our educational programme, we have designed a special workshop to delve into the function and symbolic meaning of these figurines. Applying photogrammetry we created 3D models of the artefacts which allow learners to study the objects in a new light. 3D printing allows people to engage with the scale of the objects and their materiality, to rethink the way these artefacts were traditionally interpreted and used.

### The British Museum

The British Museum is a national collection of objects from around the globe which help to tell the story of human life from ancient to modern times. Find out more about the work of the Museum, handle some artefacts from the past and ask any questions you may have about being an archaeologist.

### Sunjester

Sun Jester will be displaying a range of Roman medical artefacts to explore! We have over 25 years' experience delivering educational workshops and entertainments to the heritage sector.

### University of Reading Classics

My stall will include a chance to attempt maths via the ancient methods. By the end the students should be able to do many different calculations including multiplication and division. This is a rare opportunity to embrace numeracy in Roman method.

### Museum of London

The Museum of London tells the story of the world's greatest capital city and its people, from prehistoric times to the present day. Can you help us discover more stories about London's past with our archaeology stations? Explore techniques archaeologists use, handle real archaeological finds and get stuck in yourself with some archaeology challenges.

### King's College London Department of Classics

The Art of Making in Antiquity is an innovative digital project designed for the study of Roman stoneworking. Come and learn all about Roman mosaics and have a go at making one yourself!

### Panoply Vase Animation Project

The Panoply Vase Animation Project makes animations from the scenes decorating real ancient Greek vases. Join us to watch some of our animations and to take part in drawing activities based on ancient vases and Greek mythology.

### The Communicate Project

The Communicate Project is a Community Interest Company exploring different forms of communication and expression through the use of languages, drama and the arts. Come to our stall to learn where in the ancient world some of the modern English you use actually comes from, to find out about Roman body parts and ancient remedies, and to meet some ancient Greek monsters on the way.

### British Sundial Society

The British Sundial Society celebrates its 30th anniversary this year. It exists to promote the art and science of gnomonics. It engages in educational activities, giving talks to interested groups and provides a help and advice service through its website [www.sundialsoc.org.uk](http://www.sundialsoc.org.uk). The display will show sundials ancient and modern and visitors will be able to take away a small working sundial to construct and use.

### Historical Interpretations

Come and see our Classical Greek display, using archaeology as a way of accessing history, and artefacts to bring the past to life. We educate and entertain by attaching teaching points to each object, using it to illustrate how the Greeks washed, cooked, prayed and fought. We have a vast collection of artefacts that can be used to bring any history topic alive. [www.historicalinterpretations.org](http://www.historicalinterpretations.org)

### Oxfordshire Family History Society

Oxfordshire FHS seeks to advance the public education in family history and genealogy primarily within the county of Oxfordshire. We do this by



collecting, indexing, co-ordinating and publishing records relating to genealogy within the County thus promoting the study of genealogy. Come and find out more about what we do!

### East Oxford Primary School

East Oxford Primary School has been serving the local community for 120 years. The school archives provide a fascinating insight into how the local area and education have changed, and include the original log books, photographs, and the curriculum as written in 1912.

### Chalgrove Local History Group

The principal aim of the CLHG is to promote and encourage interest in the local history and archaeology of the Parish of Chalgrove and the locality. At any one time there are a number of research teams within the Group studying specific topics. For example members of our First World War Team have researched all those men from the village (72 identified) who undertook military service between 1914-1918. Visit us at the festival and explore the work we do on local history.



# Discovery Zone 3

## Welcome to our Art Zone!



Art, in its broadest sense, is a form of communication. It could be said to mean whatever the artist intends it to mean, and this meaning is shaped by the materials, techniques, and forms it makes use of, as well as the ideas and feelings it creates in its viewers. Art is an act of expressing feelings, thoughts, and observations. It is also something that stimulates an individual's thoughts, emotions, beliefs, or ideas through the senses, where the meaning is created by the observer.

### Did you know?

The dragonfly was frequently used as a decorative motif during the Art nouveau movement, especially in beautiful Tiffany glasswork.



In this section, you can find:

### Rumble Dragonfly Trail

See our separate Dragonfly Trail Map to follow our newly designed Dragonflies around the school site. Each of the eight large dragonflies have themes connected to different areas of learning at the school. You can find out all about their themes, sponsors and artists on the signs and the Trail Map. There are also six miniature dragonflies decorated by local primary schools to discover.

### Art Studio Jericho

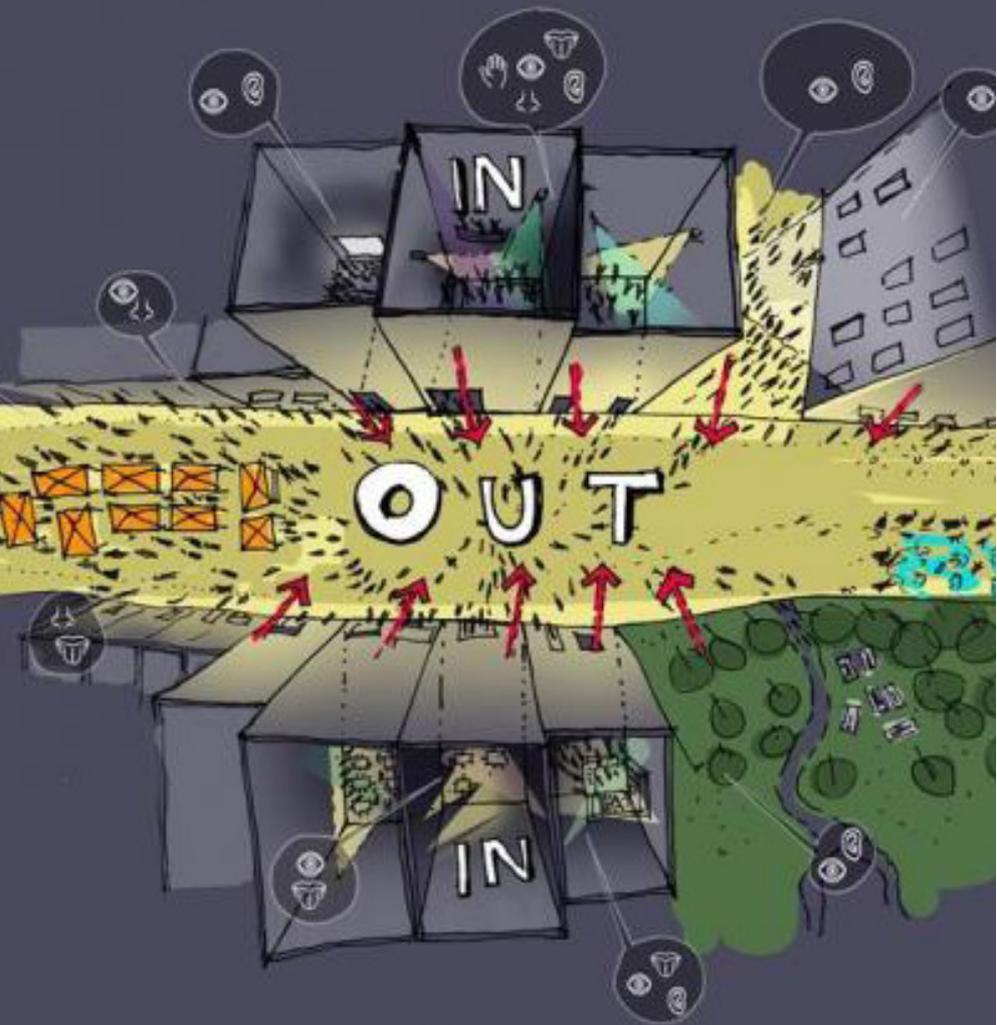
Explore artwork created by local artist Uniz Chuey and take part in a colouring activity!

### Danny Flynn

Danny is an Illustrator of Science Fiction and Fantasy, who has designed hundreds of book covers for well-known works of fiction. He loves natural history and many of his pieces explore nature. He has also worked in the Games Industry producing conceptual art.

### Clive Goddard

Clive is a professional cartoonist, published in Private Eye, Prospect, Punch, Playboy, New Statesman, The Spectator & Many Others. Other clients include The BBC, American Express, Oxford University Press & Specsavers and an assortment of nice humans. He is an illustrator of non-fiction children's books for Scholastic including the 'Horribly Famous' series, 'Bonkers Books' and the 'Totally' series. Finally, he is a writer of children's books including the award-winning 'Fintan Fedora the World's Worst Explorer' series.



### [Soham De \(Rumble Museum mural artist\)](#)

Trained as an architect and an urban designer, art has always been a passion for Soham. He has held exhibitions of his work, and he is the designer and creator of the Rumble Museum murals which can be found across the school site. He has also illustrated the children's books, *Telling Tales in Latin*, *Distant Lands* and *Telling Tales in Greek*.

### [Merlin Porter](#)

Merlin is a locally grown artist and currently lives and works in Oxford. He specialises in creating dynamic, vital paintings of live events in ink and watercolour where he also puts his own artistic twist on the moment. Alongside his signature style he also creates art that has that Oxford touch of fantasy magic infused into it delighting children and adults alike. Merlin teaches art to all ages and loves seeing people realise their artistic potential.

### [Lizzy Rowe, Visual Thinking Workshops](#)

Visual Thinking classes are run by local art historian, teacher and museum guide, Lizzy Rowe. Their aim is to engage children with great works of art by showing them famous and not-so-famous masterpieces. Each class or workshop consists of about 8-9 images grouped according to themes such as 'Weather', 'Friendship' or 'Wonders of the Natural World'.

### [Carole Hooper](#)

Carole is a professional facepainter. She will be facepainting at the Festival, alongside her trained team of Cheney students. Come and choose a design for your face or arms, ranging from dragonflies to archaeological finds!

# Discovery Zone 4

## Welcome to our Anthropology Zone!



The word anthropology comes from the Greek anthropos, meaning human being. Anthropology is a broad scientific study of human biology and culture. It strives to understand what defines us as humans and to explain how we got to be the way we are. Anthropology is the study of humans, early hominids and primates, such as chimpanzees. Anthropologists study human language, culture, societies, biological and material remains, the biology and behaviour of primates, and even our own buying habits! It's a broad discipline that constantly incorporates new technologies and ideas.

### Did you know?

In European folklore, the dragonfly is often considered to be a witches' creature. Dragonflies are imagined as being sent to create chaos and confusion.



In this section, you can find:

### Pitt Rivers Museum

The Pitt Rivers is a museum of archaeology and world cultures, analysing the objects that people make and use reveals insights into their lives. Our collections are arranged according to type: musical instruments, weapons, masks, textiles, jewelry, and tools are all displayed to show how the same problems have been solved at different times by different peoples.

### Royal Holloway, University of London

Come and craft an Iraqi object: we will be using felting and embroidery techniques to make your own version of an Iraqi object. We will provide you with pictures and objects for inspiration and talk to you about archaeology and heritage in Iraq.

### University of Oxford Department of Anthropology

Dr Oliver Scott Curry is Senior Research in Anthropology at the University of Oxford, and Director of the Oxford Morals Project. Oliver and his team have recently completed a survey of the ethics of 60 traditional societies, and discovered seven universal moral rules. Can you guess what they are? Come to the booth to find out.

### Rumble Cafe

Have a cup of tea and some refreshments at our pop-up Festival Café, which is located in the Anthropology Zone. Themed snacks and hot drinks will be served throughout the festival!

## University of Oxford Department of Archaeology

We host an outstanding research programme covering an extensive geographical and chronological span. Our students benefit from an exceptional concentration of experts through daily contact with leaders in their fields which include: bioarchaeology, chronology, materials, ancient DNA, museums and collections, experimental and theoretical perspectives. We have projects on all inhabited continents and win research funding from a wide range of national and international sources. Drop in to see our display, enjoy family-friendly activities and discover the ancient language of Ge'ez.

## King's College London and London School of Mosaics

The Department of Classics at King's is one of the largest, most prestigious and innovative centres for the study of antiquity in the world. We are a unique department: we specialise not only in ancient Greek and Roman cultures, but also the ancient Near East as well as Byzantine and Modern Greek Studies. London School of Mosaic was opened in September 2017 with the support of Arts Impact Fund, and is a small independent art school constituted as a self-governing charity with trustees from the academic, arts and business communities. Join us as we make a beautiful mosaic during the festival!

## Faculty of Oriental Studies, University of Oxford

I am an Egyptologist at the University of Oxford and my research focuses primarily on Ptolemaic and Roman Egypt. Come and explore some hands-on activities and learn more about ancient Egypt!



# Discovery Zone 5

## Welcome to our Storytelling Zone!



Telling stories can enable us to draw links between past, present and future and bring to life the human presence behind any object. Stories afford deeper understanding of an object's function and meaning. Storytelling is a great medium for making sense of objects, because of its democratic nature.

### Did you know?

In Japan, dragonflies are symbols of happiness, courage and strength, and are also seen as being spirits of rice.



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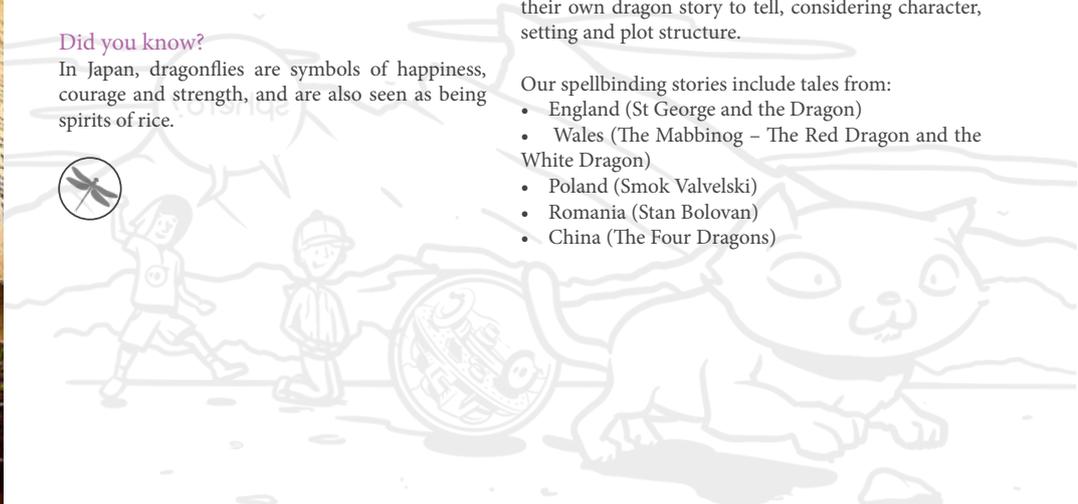
### Story Museum's Pumpkin Tent

Step into a Dragon Cave for some traditional oral dragon stories which reflect Oxfordshire's broad cultures and heritage.

After an interactive storytelling session with puppets, costumes, multisensory props and lots of joining in, visitors can learn to retell the story and then create their own dragon story to tell, considering character, setting and plot structure.

Our spellbinding stories include tales from:

- England (St George and the Dragon)
- Wales (The Mabinog - The Red Dragon and the White Dragon)
- Poland (Smok Valvelski)
- Romania (Stan Bolovan)
- China (The Four Dragons)





# Our Speakers

## **Professor Richard Fortey**

'Natural History'

3.30 – 4pm



Richard Fortey has had a long career as a palaeontologist at the Natural History Museum in London. His research interests include above all, trilobites: at the age of 14, he discovered his first trilobite, sparking a passionate interest that later became a career. He has named numerous trilobite species and still continues his research despite having retired from the Museum.

He is the author of popular science books on a range of subjects including geology, palaeontology, evolution and natural history. Since 2012, he has also been a television presenter appearing on BBC Four presenting natural history programmes; was Collier Professor for the Public Understanding of Science and Technology at the Institute of Advanced Studies in the University of Bristol 2002 and Visiting Professor of Palaeobiology at Oxford University 1999-2009.

## **Professor Helen King**

'Ancient Greek Medicine  
and Magic'

4.15 – 4.45pm



Helen is Professor Emerita at the Open University. She was previously Professor of the History of Classical Medicine and Head of the Department of Classics at the University of Reading.

With the publication of her book *Hippocrates' Woman: Reading the Female Body in Ancient Greece* (1998), Helen established herself as the leading authority on the practice and theory of ancient medicine as relating to women and how it continues to influence thought to the present day.

She has published on the myths of Tithonos, on mermaids, and on the myth/fable of Agnodice, "the first midwife". She has investigated how this story was used to give authority to women in medical roles in various historical periods.

**Peter Randall-Page**

'Art and Sculpture'

5.15 – 5.45pm



During the past 40 years Peter Randall-Page has gained an international reputation through his sculpture drawings and prints. He has undertaken numerous large-scale commissions and exhibited widely. His work is held in public and private collections throughout the world including Japan, South Korea, Australia, USA, Turkey, Eire, Germany and the Netherlands. A selection of his public sculptures can be found in many urban and rural locations throughout the UK including London, Edinburgh, Manchester, Bristol, Oxford and Cambridge and his work is in the permanent collections of the Tate Gallery and the British Museum amongst others. We are honoured that Cheney School is home to one of his pieces.

His practice has always been informed and inspired by the study of natural phenomena and its subjective impact on our emotions. In his words “geometry is the theme on which nature plays her infinite variations, and can be seen as a kind of pattern book on which the most complex and sophisticated structures are based.”

**Will Gompertz**

'Museums and Public Art'

6 – 6.45pm



Will is the BBC's first Arts Editor, a role he took up in 2009. As well as regularly reporting on the arts for the main BBC News bulletins, Today Programme and numerous other outlets, Will has written and presented several primetime series for Radio 4, a major documentary for BBC One, presents a weekly arts programme on Radio 5-Live, and has hosted a variety of programmes on Radio 2. Before joining the BBC Will spent 7-years as a Director at the Tate Galleries where he was responsible for its BAFTA-winning website, and the UK's first Performance Art festival. In 2012 Will wrote *What Are You Looking At?*, a critically acclaimed, internationally best-selling book on modern art, published by Penguin and subsequently translated into 17 languages.

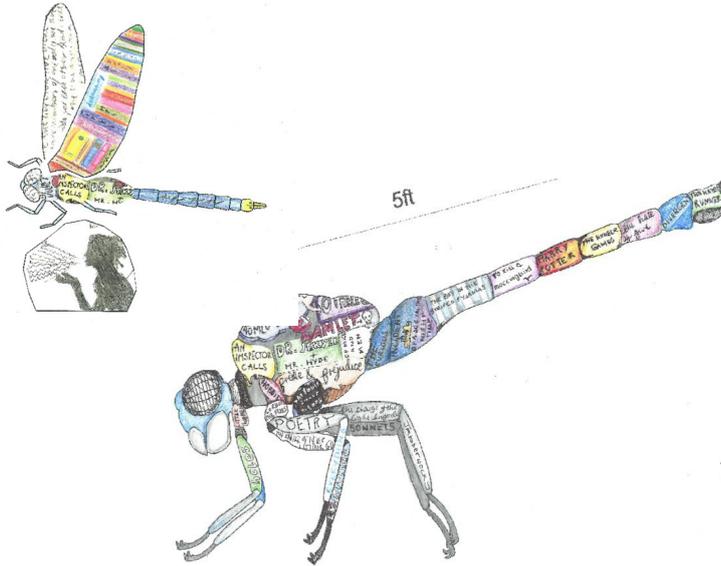
Will's second book, *Think Like an Artist*, is about creativity and was published in the UK by Penguin in July 2015, and has subsequently been translated into over 15 other languages around the world. Will is a respected and well-known journalist and commentator on the Arts, who has written for the Times, Vanity Fair, The Guardian and numerous other publications. He was voted one of the World's Top 50 Creative Thinkers by New York's Creativity.

# The Cheney Dragonflies

Below you can see the original designs of the eight larger Dragonfly models which you can visit as part of our Rumble Museum's Public Art Trail at the school. Each dragonfly has been designed by Cheney School students to reflect a different area of learning. The installation is part of the Iris Festival's celebration of Natural History, Art, Classics, Anthropology and Storytelling.

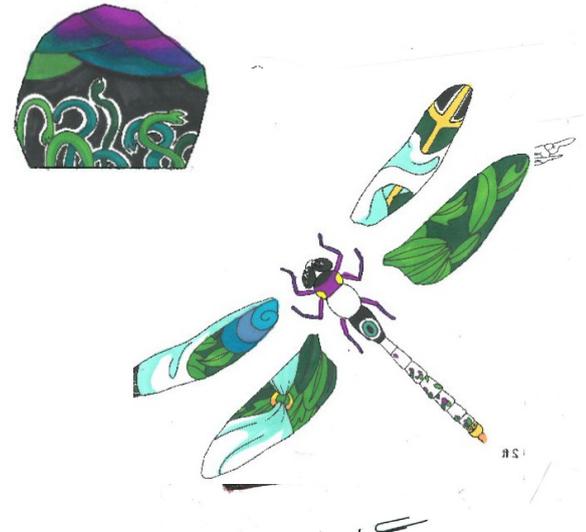
## Literature Dragonfly

*by Kezia Cory, Gwen Jones, and May Jackson*



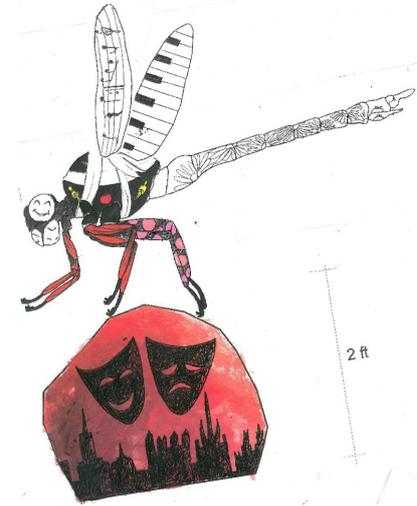
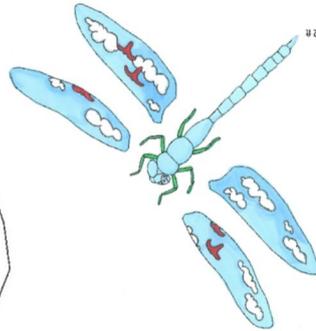
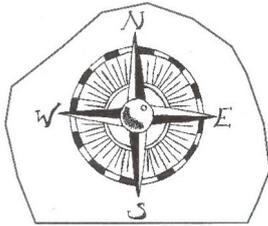
## Classics Dragonfly

*by Leri Mykila Avila*



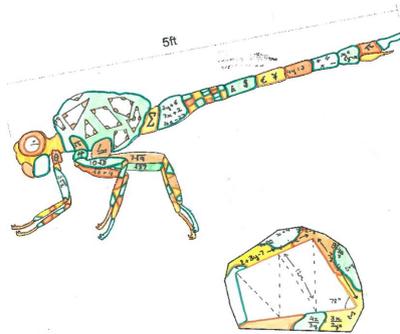
## World Dragonfly

by Eden Hart, Stefanie Fanou  
& Katarina Duric



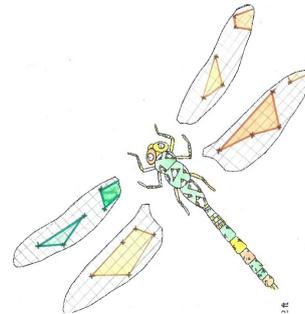
## Maths Dragonfly

by Alice Ratcliffe



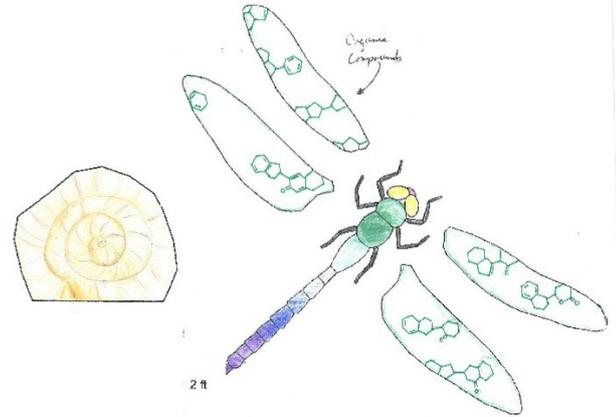
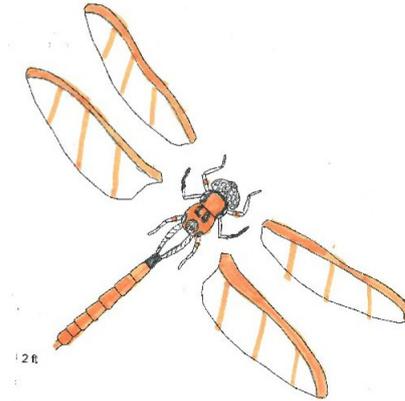
## Performing Arts Dragonfly

by Razvan Constandis & Petra Band



## Sports Dragonfly

by Vincent Altamura  
& Ubaid Nisar



## Science Dragonfly

by Lucy Marshall

## Art and Design Dragonfly

by Ashley de Leon, Cyanne Calmy & Edith Peacock

