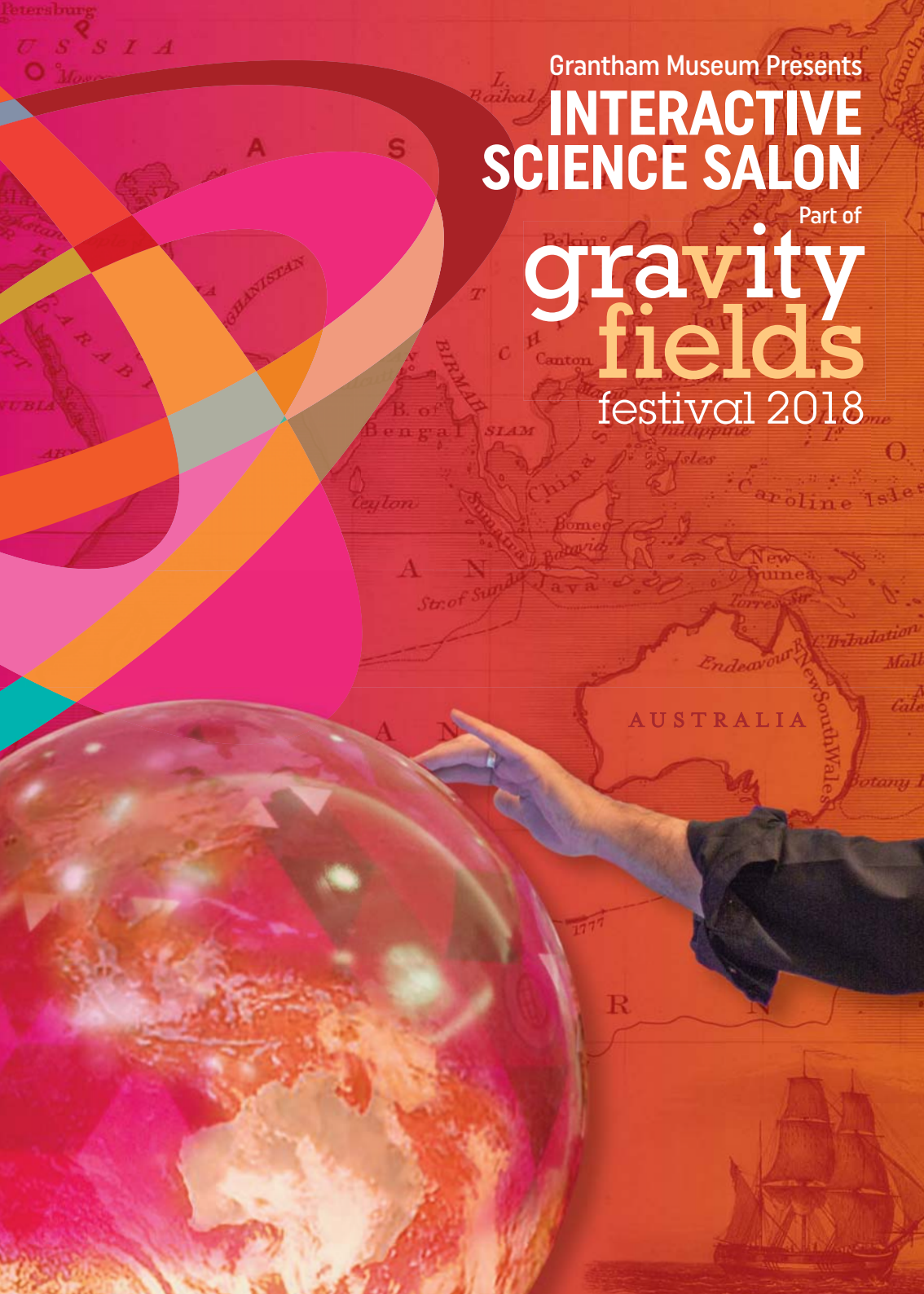


Grantham Museum Presents
**INTERACTIVE
SCIENCE SALON**

Part of

**gravity
fields**
festival 2018



Grantham Museum was formed to 'educate, inform and inspire' all generations in the stories and heritage of Grantham and the surrounding area. We are so proud to be hosting these events for the Gravity Fields festival and look forward to welcoming you all to our building. Our charity is run by volunteers who dedicate their time to bringing to life our heritage and we are thankful for the support of all who help us achieve this vision.

The Interactive Science Salon is made possible by money raised by National Lottery players through support from the Heritage Lottery Fund. We invite everyone, including all Lottery players, to visit Grantham Museum.

We would like to thank all the partners in the Interactive Science Salon. Firstly Fete Day, the heritage and arts organisation which has produced the project and sister company Rosa Productions, whose team produces the Gravity Fields Festival. SKDC and the Gravity Fields Festival team. Our heritage partners in this project Grantham Civic Society, Spalding Gentlemen's Society, Joseph Banks Society, Joseph Banks Centre, Revesby Abbey, antiquarian book experts Type & Forme, scriptwriter and 'digital scribe'

David Burling
Grantham Museum

Louise Page, the Grantham Business Club for arranging the flower show, and the speakers taking part in our talks at the Museum. A mention also to Pufferfish who have worked with us on creating the interactive globe as one of the highlights of our Science Salon.

A final thanks to all our volunteers at the Museum for their generous support of all our activities, and for our group of volunteers who helped research Sir Joseph Banks' voyages at a week-long workshop in summer 2018 to provide the content for the globe. These include Tilly Foster, Liam Culhane, Lizzie Westropp-Law, David Feld, Rona Hallam, Clare Goodley and Ashley Kirk working with John Offord.

Tue 25 Sept at 6pm: Exhibition opening and Civic Society blue plaque unveiling. All welcome.
26 - 30 Sept, 10am-4pm, (Extended Hours 29 Sept). 4 - 27 Oct, 10am-4pm (Thurs-Sat Only)

EXHIBITION: WILLIAM STUKELEY DRAWINGS

Arranged by Spalding Gentlemen's Society

An exhibition featuring original drawings by William Stukeley – Lincolnshire antiquarian and Sir Isaac Newton's biographer – who lived in Grantham from 1726 to 1730 on the junction of Castlegate and Avenue Road. Stukeley pioneered the archaeological investigations of Stonehenge and Avebury and founded the Grantham Freemason's Lodge.



An exhibition of an important set of 17 drawings including images of Grantham. 'They are beautiful, to be enjoyed in their own right, fine examples of a skill that was widespread in the eighteenth century before photography was invented' – Professor Michael Chisholm ScD FBA. An exhibition brochure will be on sale, together with local books from Grantham Museum and Grantham Civic Society.



Free Entry

Wed 26 - Sun 30 September, 10am - 4pm, Extended hours Sat 29 September

SCIENCE SALON: INTERACTIVE SCIENCE SALON GLOBE

A digital interactive globe exhibit tracing the three voyages of Lincolnshire explorer and botanist Sir Joseph Banks including his voyage with Captain Cook on *HMS Endeavour* to Australia, which set sail in 1768. Alongside our interactive globe our 'digital scribe', scriptwriter Louise Page, will lead discussion and conversation and will record this in writing. Join her in our 21st-century interactive drawing room!



Sir Joseph Banks grew up at Revesby Abbey. He spent his childhood in the Lincolnshire countryside and developed a passion for the study of plants.

Banks funded his own trip on Cook's voyage to Australia, taking with him a team of botanists and artist. Banks went on to commission other botanists and explorers on later voyages. He had been part of an earlier voyage to explore Newfoundland, and he had hoped to undertake a third voyage, again with Cook, but when permission

was refused he funded his own voyage to Iceland.

On his return from his travels Banks presented his findings to his peers at his London home in Soho Square, hosting 'Banks' Breakfasts' in which discussion of his findings, and those of other explorers and philosophers, were central to the conversation.

Lincolnshire at the time was one of Britain's wealthiest counties because of the wool trade, and the port of Boston was a main sailing trade route connecting Britain to the world.

William Stukeley was also a resident of Lincolnshire, a philosopher and one of the original team who pioneered the archaeological investigations of Stonehenge and Avebury. He lived in Grantham for four years, in a building close to the Grantham Museum. Stukeley was Sir Isaac Newton's key biographer – they became close acquaintances towards the end of Newton's life.

Newton was born in Woolsthorpe, a few miles south of Grantham, and attended the King's School, Grantham nearly a century earlier. He returned home in his twenties from Cambridge, during the times of plague in 1666, and completed many of his most important experiments locally.

Free Entry





The Joseph Banks Voyages Globe has been created with Grantham volunteers, coordinated by Fete Day and the globe is produced and presented by Pufferfish Displays



Wed 26-Sat 30 September, 2:30pm (1 hour)

DAILY SCIENCE SALON: AFTERNOON TEA TALKS

Louise Page



Digital Scribe-in-Residence Louise Page will be hosting the globe in our interactive drawing room at the Museum and joined in informal daily discussion by a variety of experts, academics and local historians.

A drop-in session for everyone, with daily invited guests from around Lincolnshire and visiting experts from our wider programme of Gravity Fields Festival speakers.

Joseph Banks understood that the best scientific conversations are helped by food and drink. You're invited to come and help test the great man's theory over tea and cake. Milk in first or last in your tea? There's a scientific reaction taking place. Let's talk about science and Banks and Lincolnshire scientific adventurers. Come and join in!

Free Entry



Wed 26-Sun 30 September, During Museum hours
Extended hours Sat 29 September
4-27 October, 10am-4pm (Thurs-Sat only)

DISCOVERING THE UNEXPECTED

Type & Forme, Antiquarian Booksellers



An exhibition of antiquarian travel and exploration books featuring early editions of original works by world explorers of the past.

September: See the world through the eyes of those who first dared to venture forth into the unknown! Antiquarian books by famous scientists and explorers – including Isaac Newton, Captain R.F. Scott, James Clark Ross, T.E. Lawrence and Wilfred Thesiger – feature in this exhibition on travel, natural history and science.

October: The extraordinary life of T.E. Lawrence ('Lawrence of Arabia') will be the special focus of the extended exhibition. Highlights include limited editions of portraits from Lawrence's *Seven Pillars of Wisdom*, his masterpiece about the Arab Revolt in World War I, and a first edition of *The Mint*, Lawrence's account of his training as an airman at RAF Cranwell, Lincolnshire.

All items exhibited will be available for purchase.

Free Entry



Wed 26 September, 12:00pm (1 hour)

SCIENCE SALON: ALCHEMICAL RECIPES & REMEDIES

Dr Anke Timmermann FLS



The basic human desire for health and longevity was as strong in the Renaissance as it is today. Learn how physicians and apothecaries used the latest knowledge of their time – including alchemy and magic – in their attempts to cure the ill and fight epidemics.

Tickets: £3. Gravity Fields Festival

Fri 28 September, 12:00pm
(1 hour)

During Museum hours

SCIENCE SALON: SIR JOSEPH BANKS' FORGOTTEN ENGRAVINGS

Mark James FLS



Sir Joseph Banks commissioned drawings of the plants gathered during Cook's *Endeavour* voyage, some 800 of which were previously unknown to science. On Banks' return to London, 743 copper printing plates were engraved under Banks' supervision. Why did these beautiful engravings remain forgotten for so long?

Tickets: £3. Gravity Fields Festival



Wed 26 September, 4.00pm (1 hour)

GRAVITY FIELDS FESTIVAL COMMUNITY LAUNCH AND FLOWER SHOW OPENING

Join us for our community launch to mark the start of 2018 festival. Enjoy the flower show in Grantham Museum and meet the festival curators, speakers and artists to celebrate the start of our 2018 festival, and its themes. A chance for all participants and visitors to pick up festival programmes, learn about the events and say hello!

Free Entry



Thu 27 September, 10:30am (1 hour)

WOMEN IN SCIENCE: BREAKING THE GLASS CEILING

Professor Val Gibson, Dr Patricia Fara and Dr Sarah Williams – from the University of Cambridge – discuss the historical role of women in science and how that is changing. Tickets: £3 Gravity Fields Festival



Physicist Val Gibson is Professor of High Energy Physics, University Gender Equality Champion and Fellow of Trinity College, Cambridge.



Dr Patricia Fara, science historian and leading expert on women in science.



Dr Sarah Williams is a Fellow in Physics; Natural Sciences, at Murray Edwards College, Cambridge



Wed 26-Sun 30 September During Museum hours

FLOWER SHOW

Sue Hodgson in collaboration with Grantham Museum,
Gravity Fields Festival and Grantham Flower Club

Grantham Business Club is working with local flower arrangers to create 10 beautiful displays themed on Voyages of Discovery to explore the botanical global theme and the travels of Sir Joseph Banks.

Free Entry

Special thanks to our team of fabulously talented and creative flower arrangers: Karen Thornton, Jackie Smith, Jane Roe, Jean Goddard, Jill Mahoney, Sue Hodgson and the Grantham Flower Club team.

And to our Sponsors: Duncan and Toplis, Hodgson Wealth Management, Flowers from Holland, Arena UK, Downtown, Hood Parks & Co., Buckminster Estates and Golding Young & Mawer.



Sat 29 September, 10am and 12.30pm

Sun 30 September, 10.30am

FAMILY EVENT: MAGICK AND ALCHEMY

Mary Losure

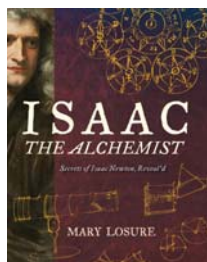


Science activities and reading from *Isaac the Alchemist, Secrets of Isaac Newton, Reveal'd* by Mary Losure.

Before Isaac Newton was a world-famous scientist, he was a lonely boy who lived in the attic of an apothecary's house. In the apothecary's workshop, he could watch what he - and everyone else in those times - believed was magic. But what, exactly, did apothecaries and alchemists do? Why did they believe it was magic? And how could someone who believed in magic—and grew up to be the world's greatest alchemist—also discover the secrets of the universe? Find out at the Magick and Alchemy Show

and Reading by children's author Mary Losure, author of 'Isaac the Alchemist: Secrets of Isaac Newton, Reveal'd'. Drop-in science in-between the Saturday shows. Suitable for families with children ages 7 - 11.

Free Entry



Sun 30 September, 2.00pm

POLITE PHYSICS: WRITING FROM NEWTON TO BANKS

Dr Rosalind Powell, University of Bristol

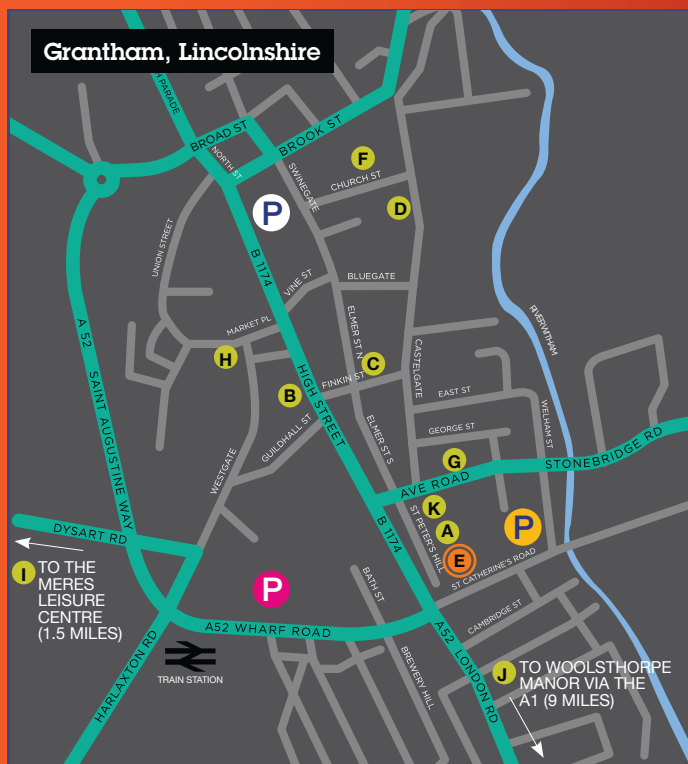


How do you explain Newtonian physics to a novice or telescopes to an early-modern technophobe? In the 17th and 18th centuries, writers and scientists used poetry and performance to bring new ideas to life, and sometimes to challenge them too.

Drawing from research into the links between poetry and science after Newton, this talk will present some of the entertaining, intriguing and unlikely techniques that popular scientists and poets used to present the new science to the public.

Tickets: £3 Gravity Fields Festival

MUSEUM MAP



- A. Guildhall Arts Centre and Box Office
NG31 6PZ
- B. The George Centre
NG31 6LH
- C. ChristChurch, Finkin St
NG31 6QZ
- D. St Wulfram's Church
NG31 6RR
- E. Grantham Museum
NG31 6PY
- F. King's School, Old Hall
NG31 6RP
- G. Alive Church
NG31 6TA
- H. Grantham Market Place
NG31 6LJ
- I. The Meres Leisure Centre
NG31 7XQ
(1.5 miles from town centre)
- J. Woolthorpe Manor
NG33 5PD
(9 miles from town centre)
- K. Abbey Gardens
NG31 6PZ

CAR PARKS

- Welham Street, Grantham
NG31 6QU
- Wharf Road, Grantham
NG31 6BG
- Watergate, Grantham
NG31 6NS

Book online

www.gravityfields.co.uk

Grantham Museum

St Peter's Hill
Grantham NG31 6PY
T: 01476 568783

www.granthammuseum.org.uk

Festival opening Hours:

Weds-Sun 10am-4pm
(evening opening Sat 29 Sept)

Normal opening Hours:

Thurs-Sat 10am-4pm

Festival Box Office:

T: 01476 406158
www.gravityfields.co.uk



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COUNCIL**



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FETE DAY

