

EXPLORE



*Week One starts
Monday 14th
January 2019*

Season 2
2018-19 programme

Explore Season 2 Programme 2018-19

If you're new to Explore why not come along and try the programme?

There are two options:

- **Attend our FREE taster event with mini lectures from our expert tutors—find out more by clicking [HERE](#)**
- **Book your free session in Week One starting Monday 14th January 2019 by emailing weareexplore@gmail.com Click [HERE](#) to see the Week One programme. Download your FREE voucher [here](#).**

You need to join Explore in order to attend our full programme after your free taster session. Click [here](#) for details of how to join Explore! If you're not a full-member you can also sign up to our [Explore Extra](#) courses and Saturday sessions—find more details further on in the [programme](#).

Most of our sessions require no advance booking—just turn up. However, for study groups, practical art and some walks, we do need to manage attendances. These sessions (only) have specific booking instructions in this programme.

If you are disabled and would require a helper in order to take part in Explore, the helper can attend without charge.

Explore Season 2 Programme 2018-19

Our 2018-19 Season Two programme highlights a broad spectrum of thought from literature, history and philosophy to biology, astronomy and cinematography, with the theme of 'Illuminations'. Though it may not always feel like an enlightened year, 2019 is sure to be an illuminating one as we look to the skies for moonlight and dark matter, see glints from embellished texts & glass bottled ships and we cast light on events and ideas that are often left in the dark. Join us for Season Two, to celebrate some of civilisation's greatest 'lightbulb moments' and to explore the cracks that let the light in.

Congratulations to the programming team -

Art History and Design: Helen Watson and Margaret Adams

Narratives (Literature, Cinema and Music) : Rita Prabhu and Angela Young

Perspectives (Science and Mathematics): Christine Burrige and Joy Rutter

Culture & Society (History and Archaeology): Joy Rutter and Kath Smith

Philosophy: Joy Rutter

With direction from Bronwen Calvert & Malcolm Grady.

We are also grateful to [Ampersand Inventions](#) for our accommodation at Commercial Union House.

Quick Links to the programme starting: [Monday](#) [Tuesday](#) [Wednesday](#) [Thursday](#) [Friday](#) [Saturday](#)

'It is not knowledge, but the act of learning, not the possession but the act of getting there, which grants the greatest enjoyment.' Carl Friedrich Gauss (1777-1855)

EXPLORE

FREE Taster Event

Tuesday

8th January 2019

11.00 to 13.00

4th Floor

Commercial Union House

Lectures from our expert

tutors:

click [HERE](#) to book your **FREE** place.



Explore Extra



Interested in Explore but not available during the working week? [Explore Extra](#) has courses specially designed for YOU! Including:

Monday evening : John Sadler

[The White Cockade: A History of Jacobite Wars 1689-1746](#)

For more course details please see [page 11](#) of the programme.

Cost—£65 per course for non Explore members



Tuesday evening : Mike Green

[Music Course: Illuminations](#)

For more course details please see [page 22](#) of the programme.

Cost—£65 per course for non Explore members



Wednesday evening: Ian Ground

[Philosophers on the Meaning of Life](#)

For more course details please see [page 32](#) of the programme.

Cost—£60 per course for non Explore members



Find out more about [Explore Extra](#) online and keep reading the programme for more details.

Explore Extra—Saturday Sessions

Non-members can now enjoy our Saturday programme too! You can find out more on [page 44](#)

Monday

Philosophy Course: *14th Jan to 4th Mar (No session 25th Feb)*

Just Imagine: Seven Thought Experiments'

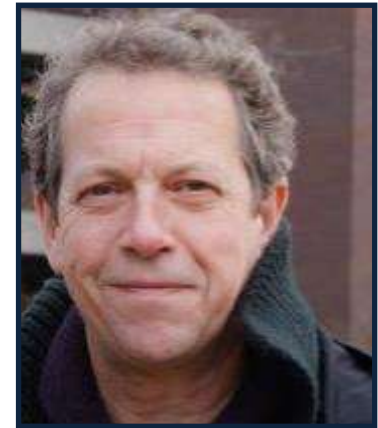
Tutor: [Ian Ground](#)

Venue: White Room, 4th floor, Commercial Union House, Pilgrim Street,
Newcastle upon Tyne

10.30 to 12.00

Thought experiments are common in both science and philosophy as a means of uncovering our deepest presuppositions.

This course will explore seven such 'experiments', each challenging and provocative.



Monday

Art History and Design on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



10.45 to 11.45

Date	Tutor	Title
14 Jan	Peter Quinn	Manet and the Execution of Emperor Maximillian
21 Jan	Chris Jones	Teaching and Practice—International Residences & Workshops: Australia, Japan and China
28 Jan	Malcolm Gee	Dore to Brassai: art and the city at night c. 1870-1939
04 Feb	Ayako Tani	After Pyrex: the story of glass ships in bottles in Sunderland
11 Feb	Chris Wadsworth	Winifred Nicholson—Unknown Colour
18 Feb	David Rosier	Chinese Imperial Insignia of Rank: the illumination and illustration of imperial rank & status
25 Feb	Peter Quinn	African Modern: art, photography and film
04 Mar	Gary Malkin	Capturing BALTIC's Memory: from flour mill to contemporary art gallery
11 Mar	Gordon Reavely	<i>Illuminations</i> - Walter Benjamin and Reproduction
18 Mar	Peter Quinn	Late Léger: painting and design projects in Post-World War 2 France

Monday

Art History and Design on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



12.30 to 13.30

Date	Tutor	Title
14 Jan	Peter Quinn	Thinking About Art: Style
21 Jan	Donna-Lisa Healy	A Career in Portrait Photography
28 Jan	Malcolm Gee	Illumination: mysticism and modern art in the early 20th Century
04 Feb	Narbi Price	Searching for the Subject: a painter's journey
11 Feb	Chris Wadsworth	Helen Sutherland: art collector and philanthropist
18 Feb	David Rosier	Chinese Imperial Insignia of Rank: imperial and ancestor portraits
25 Feb	Peter Quinn	Thinking About Art: installation
04 Mar	Gary Malkin	A Stroll Through BALTIC's Exhibition Programme from 1999-2019
11 Mar	Gordon Reavely	<i>Illuminations</i> - Walter Benjamin and Reproduction (continued)
18 Mar	Peter Quinn	Thinking About Art: Process

Monday

Art History Course: *14th Jan to 18th Mar*

Photographers

Tutor: [Peter Quinn](#)

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30

A seven part course, following on from the course on the history of photography in Season 1, an exploration of the work of fourteen celebrated photographers.

For suggested reading please click [HERE](#)

Date Title

14 Jan	Lady Clementina Hawarden and Julia Margaret Cameron
21 Jan	Matthew Brady and John Thomson
28 Jan	NO SESSION
04 Feb	Peter Henry Emerson and James Craig Annan
11 Feb	Paul Strand and Alfred Stieglitz
18 Feb	Berenice Abbot and Tina Modotti
25 Feb	Diana Arbus and Cindy Sherman
04 Mar	NO SESSION
11 Mar	NO SESSION
18 Mar	Thomas Struth and Wolfgang Tilmans



Monday

Art Theory Course: *4th Mar and 11th Mar*

Young Artists on Their Work

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30/16.00

Undergraduate and post-graduate art students at Newcastle University, the UK's most highly ranked Fine Art Department, talking about their creative practice. Sessions led by Ian Ground.

March 4th (14.00-16.00) Student speakers: Jenny McNamara, Carole McCourt, Rebecca Read

March 11th (14.00-15.30) Student speakers: Alice Adams, Aleanor Curry

Monday

Explore Extra—cost £65 per course to non Explore members

History Course: *21st Jan to 11th Mar*

The White Cockade: A History of Jacobite Wars 1689-1746

Tutor: [John Sadler](#)

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne
19.00 to 20.30



There is a great deal more to the Jacobites than Bonnie Prince Charlie and Rob Roy; this course will cover the history of the wars and the literary and cultural traditions which have grown up since they ended.

- 21 Jan Jacobus Rex – making the Jacobites
- 28 Jan Bonny Dundee – Killicrankie and Dunkeld
- 04 Feb The '15
- 11 Feb The '19 & Fortress Scotland
- 18 Feb The '45 (Part 1)
- 25 Feb The '45 (Part 2)
- 04 Mar Weapons and tactics
- 11 Mar Outlander; the tradition

Non-members—How to Book:

Please book your place via Eventbrite using this link: [A History of Jacobite Wars 1689-1746](#)

If you have any issues booking please contact us at weareexplore@gmail.com

Explore Members:

This course is already included in your Explore membership so is free to attend without booking.



Tuesday

History Course: *15th Jan to 12th Feb*

'Going Up?' A History of Department Stores

Tutor: John Griffiths

Venue: B&D studios, 3rd floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30-12.00



Department stores had their origins in the 'bazaars' and draperies of early nineteenth century European cities, and grew into vast emporia selling everything from 'a pin to an elephant'. We will look at the rise and fall of these High Street leviathans, the influences on their development from places as varied as Paris, Chicago and Newcastle, some of the larger-than-life figures who controlled them – such as the 'Universal Provider' William Whiteley, 'Mile a Minute Harry' Gordon Selfridge, and Mohammed Al-Fayed - and ask whether they can survive in a new retailing era.

History Course: *19th Feb to 19th Mar*

Lightbulb Moments in The History of Cities

Tutor: Josephine Ellis

Venue: Blue Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30-12.00



Cities rarely grow and develop at a steady pace; their rate of change ebbs and flows. But some cities have experienced one or more "lightbulb moments" when they surge ahead of the competition. They might grow exponentially from a town to a metropolis, change radically from a rural backwater to a hive of industry, or become the place where everyone wants to be. What made Manchester "Cottonopolis" or gave Paris the *bon ton*? What social, technological, economic and political forces caused the victory or the transformation of one place rather than another, and who were the people involved?

Tuesday

Classics : *15th Jan to 19th Mar*

Latin at the [Lit & Phil](#)

Tutor: Alan Beale & Adrian Spooner

Venue: Lecture room & Loftus room, Lit & Phil

10.30 to 12.00

Explore members are cordially invited to join our Latin classes for £1 per session (donation towards room hire). There are 2 groups:

Standard

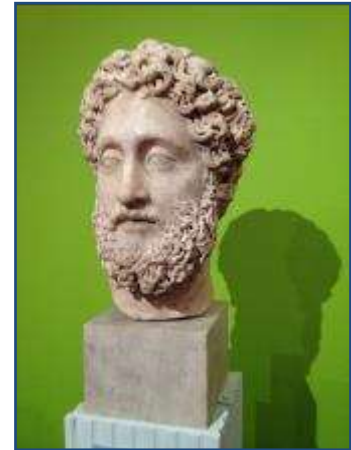
Cicero

Faster

Lucretius

A-Level or O-Level (however dimly remembered) or a reading knowledge of Latin will be needed.

These classes are run by the Lit & Phil.



Tuesday

Narratives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street,
Newcastle upon Tyne



Please note the morning session is for generally 1 hour and will last from 10.45 until 11.45 am. Some tutors (eg Marie Addyman on 19th & 26th Feb) have opted for a very slight change to this schedule – please check details in the weekly bulletin nearer the time for details.

10.45 to 11.45

Date	Tutor	Title
15 Jan	Rachel Lister	'Magic Casements' and 'Night-Lights': Inner Worlds in American Fiction
		Edith Wharton wrote that the good novelist must rely on 'illuminating incidents' to act as 'magic casements' opening onto the 'inner meaning' of the text. Eudora Welty uses the symbol of the 'china night-light' to capture 'the combination of internal and external states' that continually fascinates the fiction writer. This session will consider how a range of American writers have chosen to reveal internal states in their fiction. Extracts from works of writers including Wharton, Henry James, F. Scott Fitzgerald & Welty will be provided.
22 Jan	Roger Mitchell	Lights, camera, action... German Expressionism and its legacy (session 1 of 2)
		In these two interlinked sessions, we will explore the way that lighting is used in film, not just to illuminate a scene but also to create atmosphere and convey story information. Considering a wide range of film genres, these presentations will focus on the immense influence of German Expressionism, a style of filmmaking which developed after World War 1.

Tuesday



Narratives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.45 to 11.45

Date	Tutor	Title
29 Jan	Brycchan Carey	Sun and Light in the Poetry of John Donne John Donne is one of the best-known 'metaphysical poets' of the seventeenth century, known both for his racy love poems as well as his powerful religious verse. This session will look in detail at his recurring interest in the sun & light (and sometimes its absence) in poems including 'The Sunne Rising' and 'A Nocturnal on St. Lucie's Day.'
05 Feb	Clare Nally	Illuminating the Dark Ages: Old English Literature For Beginners (session 1 of 2) We often think about early medieval times as being less enlightened than our own point in history. However, as the body of surviving literature shows, writers were very sophisticated, drawing on classical authorities and biblical sources. In these two sessions, we will be looking at why the early literature of England is so important. We will look at key sections of the epic poem <i>Beowulf</i> (extracts from the Heaney translation) and think about some of the contexts such as the function of women in this society, the role of monsters and monstrosity, and links to archaeology (ship burials, Beowulf's funeral).
12 Feb	Barbara Franchi	Becoming a Work of Art: Collections, Museums and Artists in A. S. Byatt's <i>The Children's Book</i> and <i>Peacock and Vine</i> A. S. Byatt's most recent work, <i>The Children's Book</i> and <i>Peacock and Vine</i> explore the role of museums, art collections and painters, designers and potters at the turn of the century. During this session we will read and discuss what literary illuminations occur when the visual arts enter the written word and we will introduce the concept of ekphrasis: the verbal rendition of a visual representation.

Tuesday



Narratives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle

10.45 to 11.45*

Date	Tutor	Title
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19 Feb	Marie Addyman	Illuminating ancient myth (Session 1 of 2) * 10.30-12.30
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Quite late in their careers, both Ted Hughes and Seamus Heaney turned their attention to translating some of the classical myths as relevant poems for our time. While Hughes' *Tales from Ovid* recreated the grimly joyful sensation of a world in perpetual flux, Heaney's version of *Aeneid Bk VI* explored the image of the heroic warrior and his society from the perspective of the afterlife in Hades.

26 Feb	Marie Addyman	Illuminating ancient myth (Session 2 of 2) * 10.30-12.30
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05 Mar	Pamela Woof	The Sonnets of Milton and Wordsworth
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Milton and Wordsworth, a century and a half apart, were at once masters of epic and skilled practitioners of the small poetic form, the sonnet. We shall consider the sonnet's variety in their hands, and move from the tones and moods of force to delicacies of feeling, and the everyday and recognisable world.

12 Mar	Clare Jackson	Narrative voice: risks and innovations
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Who tells a story? Who is the narrator at any one point in a novel, and what risks might an author take with this device? In these sessions we will be considering the new approaches to narrative voice taken by a range of writers from Henry Fielding to James Joyce to the modern day.

19 Mar	Michael Ayton	Chekhov, 'Lights'
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[text at: http://www.online-literature.com/anton_chekhov/1250/]

Tuesday



Narratives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street,
Newcastle upon Tyne

12.30 to 13.30

Date	Tutor	Title
15 Jan	Rachel Lister	'Magic Casements' and 'Night-Lights': Inner Worlds in American Fiction (Cont'd)
22 Jan	Roger Mitchell	Lights, camera, action... Lighting and the art of visual storytelling (Cont'd)
29 Jan	Brycchan Carey	Sun and Light in the Poetry of John Donne (Cont'd)
05 Feb	Clare Nally	Illuminating the Dark Ages: Old English Literature For Beginners (Cont'd) Short Old English Poems (in translation) This session will address poems such as 'Deor', 'Wulf and Eadwacer' and 'The Battle of Brunanburh.' We will think about the role of Christianity and paganism in these texts, the use of voice and perspective, as well as some of the motifs commonly found in Old English heroic poetry related to kingship, the <i>scop</i> or poet, and the warrior ethos.
30 Oct	Marie Addyman	Pilgrimage: A Bridge Over Troubled Water? (continued)

Tuesday



Narratives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street,
Newcastle upon Tyne

12.30 to 13.30 *

Date	Tutor	Title
12 Feb	Barbara Franchi	Becoming a Work of Art: (<i>cont'd</i>)
19 Feb	Marie Addyman	Illuminating ancient myth (Cont'd) * 10.30-12.30
26 Feb	Marie Addyman	Illuminating ancient myth (Cont'd) * 10.30-12.30
05 Mar	Pamela Woof	The Sonnets of Milton and Wordsworth (Cont'd)
12 Mar	Clare Jackson	Narrative voice: risks and innovations (Cont'd)
19 Mar	Michael Ayton	Shelley, 'When the lamp is shattered'
	Link to text: https://www.bartleby.com/333/447.html	

Tuesday

Mathematics Course: 15th Jan to 12th Feb

Mathematical Problem Solving and Exploration

Tutor: Peter Pool & Maria Goulding

Venue: Blue Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



14.00 to 15.30

If you want to score a 6, do you stand a better chance by just rolling one dice or should you roll two dice and add the scores together?

This course is about solving mathematical puzzles and doing mathematical explorations. We unconsciously use a lot of mathematics everyday to solve problems such as 'what's the best way to wrap a parcel?' or 'when is the best moment to cross a road?' and so on. On this course we will engage with a variety of problems and investigations purely for the enjoyment of it.

You will not need an advanced knowledge of mathematics for the sessions, but you do need a willingness to have a go at the unfamiliar. You can work on your own or with others and share ideas about how to solve a problem or where to go in an investigation.

Come along and join in the fun.

Tuesday

Literature Course: *22nd Jan to 5th Feb*

Representing speech: an authorial challenge over time

Tutor: Clare Jackson

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30

How can a writer represent the spoken word? How can a crafted piece of fiction convey a sense of natural and spontaneous speech? In these sessions, we will be considering the ways authors from the medieval Mystery Plays to the present day have engaged with this challenge.



Film Course: *5th to 19th Mar*

Film Studies: Imagining Britain

Tutor: Roger Mitchell

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 16.00

Film can be an immensely influential medium in shaping our views of the world. In this series Roger will explore how British cinema has imagined and constructed particular ideas about both Britain as a nation and what it means to be British. The structure of the course will be as follows:

- 05 Mar Imagining the past: period dramas and national heritage
- 12 Mar Imagining the present: social realism and the everyday
- 19 Mar Imagining the future: coming-of-age films and adolescence



Tuesday

History Course: *19th Feb to 19th Mar*

The British Isles in the Long 19th Century 1789-1913:

Part Two (1840-1880)

Tutor: Nick Cott

Venue: B&D Studios 3rd floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30



The mid-Victorian era has been characterised by historians as the 'age of equipoise', as a period signifying feelings of great confidence and strength in the state of Britain and Ireland. It was optimistic that the great conflicts in domestic society, politics and the economy, would be resolved by compromise, whilst Britain would be able to export its value across the world, as a truly 'global Britain', with interests in empire and other overseas investment.

However, it was also a period of contradiction as doubts began to emerge about the ability to resolve the conflicts and there were fears of degeneration and decline.

- 19 Feb Introduction / Work and poverty in the Mid-Victorian era;
- 26 Feb The religious revival;
- 05 Mar Disease and health in urban society;
- 12 Mar The remoulding of politics;
- 19 Mar The British Isles and empire / Conclusion

Tuesday

Explore Extra —cost £65 per course to non Explore members

Music Course: Illuminations

Tutor: Mike Green

Venue: White Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

18.00 to 19.30

In these eight sessions we will explore some significant musical characters, developments and devices around the theme of illuminations. Sessions will cover a range of musical styles. There will be plenty of opportunity for discussion and listening to musical examples. No formal musical knowledge is required.

Date	Title
22-Jan	Music for the Royal Fireworks
29-Jan	Reginald Dixon
05-Feb	Les Illuminations
12-Feb	Ronald Binge
19-Feb	The Colour of Music
26-Feb	Lux Aeterna
05-Mar	Sunrise
12-Mar	Sea Songs

Non-members—How to Book:

Please book your place via Eventbrite using this link: [Music Course: Illuminations](#)

If you have any issues booking please contact us at weareexplore@gmail.com

Explore Members: This course is already included in your Explore membership so is free to attend without booking.



Wednesday

Science Course: 16th Jan to 20th Feb (No session 30th Jan)

Cosmology and the Large Scale Structure of the Universe

Tutor: Fred Stevenson

Venue : Media Room, Newcastle Arts Centre, Westgate Road, Newcastle upon Tyne

EXCEPT Wed 23rd January and rescheduled 13th/27th February — Session in Green Room



For Directions to Newcastle Arts Centre please see their website [HERE](#)

10.30 to 12.00

Cosmology is the science that aims to answer the 'big questions' - how did the universe come to be the way it is and how will it end. In this short course we will review the so-called standard model of cosmology the 'big-bang theory'.

We shall look at the evidence that supports it - the expansion of the universe, the abundances of elements, the microwave background and simulations of large scale structure. We will also discuss some current problems - dark matter and dark or vacuum energy.

If time allows we may consider some more speculative ideas such as the multiverse.

Wednesday

Mid-Week Literature Course: 16th Jan to 6th Feb

Jorge Luis Borges: An Introduction to his Art

Tutor: Michael Ayton

Venue: White Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30-12.00



The celebrated Argentinian fiction writer, poet and essayist Jorge Luis Borges (1899–1986) has had a profound impact on world literature, yet still he is sometimes more honoured than read. In this course we'll examine the stories and poems of a writer whose works – multi-layered, allusive and at times elusive – are both thrillingly imaginative and infinitely suggestive.

Looking at his stories from *A Universal History of Infamy* (1935) to *Shakespeare's Memory* (1983), we'll encounter fictions in which a character re-creates Cervantes' *Don Quixote* by rewriting it word for – identical – word; in which we learn the history of a game of chance that gradually becomes so complex and universal that it becomes indistinguishable from real life; in which the Universe is a library whose shelves reach from floor to ceiling yet are just those of a normal-sized bookcase (a text some see as prefiguring the Internet).

Come and revel in the works of a brilliant fabulist who, truly, makes even the impossible seem possible!

All texts to be provided nearer the time.

Wednesday

One-off Literature Special: *13th Feb*

The *Commedia dell'arte*: Roots, History and Reception

Tutor: Michael Ayton

Venue White Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30 to 13.30



The popular dramatic form that later was called the *commedia dell'arte* arose in early modern Italy, but has fascinating earlier roots, as well as a rich and continuing afterlife extending into numerous different art forms. In this seminar we'll explore the history of the genre before tracing its impact, both historical and continuing, on the visual arts, on music and musical drama, and on later theatre including popular forms such as pantomime and Punch and Judy shows. In so doing we'll engage with the work of artists, dramatists and composers from Watteau to Picasso, from Plautus to Dario Fo, and from Mozart to Harrison Birtwistle. Images, texts and sounds will be presented in class in a range of multimedia forms, with no prior reading required.

One-off Literature Special: *13th Mar*

Shakespeare's Globe?

Tutor: Rosamund Paice

Venue White Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30 to 12.30

How do reproductions and simulations of the Globe theatre affect our understanding of Shakespeare, and Elizabethan and Jacobean theatre-going? How are they themselves influenced by our preconceptions of the bard and the world he moved in? Does access to an "authentic" physical space help us access "authentic" Shakespeare -- and what is "authentic" anyway? How might developments in gaming be used to recreate a Globe "experience" rather than just a Globe building?

Wednesday

Mathematics Course: *27th Feb to 20th Mar (No session 13th Mar)*

The Civil War at the Heart of Statistics

Tutor: Sam James

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

11.00 to 12.00



Statistics is far more than averages and histograms, it is how we interpret the world around us. From companies trying to sell us stuff to proving that drugs work to cure disease, our lives are affected by people using statistics.

It might come as a surprise that for such an important area of study there are two branches that are radically different in method and ideology, Frequentist and Bayesian. These two factions are at academic war.

Wednesday

Perspectives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

12.30 to 13.30

Date	Tutor	Title
16 Jan	John Bythell	Shedding Light on Climate Change: Perspectives of a coral reef biologist Living in the UK, as we approach winter once again, it can sometimes be hard to accept that climate change is happening or to see 'what the big deal is' if the planet warms up another degree or two. But to appreciate the changes that are happening and get an idea of the scale and rate of change and the impacts it is having on the planet, we need to look at the extremes – the tropics, poles or high mountains, rather than the temperate climates of the UK. As a coral reef biologist working in the tropics for over 35 years, I have witnessed dramatic changes. Much of the historic change is due to other human impacts, but climate change has been severely impacting coral reefs since the 1980s. In this talk, I will describe the changes that have happened and explain the links to global climate change.
23 Jan	No Session	
30 Jan	David Featonby	The Wonderful World of Spinning Tops The lecture takes us through many aspects of this universal "toy", possibly the oldest toy in the world, which is played with throughout the world. In addition to a display of tops from around the world David will explore some of the properties of spinning tops and introduce us to some special tops, both new and old. There should also be an opportunity to try your hand at spinning some of the more unusual tops.
06 Feb	Niki Rust	The Last Roar? Saving the Lion King There could be only 20,000 lions left in the world today and this species has exhibited a precipitous decline over the last century – from maybe 200,000 lions in the 1800s. As always, humans are mostly to blame for this loss due to our ever-increasing demand for land. I will cover the current threats to these big cats, as well as stories of hope for how we can save this species from extinction.

Wednesday

Perspectives series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

12.30 to 13.30*

Date	Tutor	Title
13 Feb	No Session	
20 Feb	Robin Johnson	'Euclid's Elements': A 2,300-year Journey
<p>In this talk, we will describe the nature and character of Euclid's Elements (avoiding any technical mathematics), who contributed to them and their influence on mathematical thinking and developments over two millennia. We then follow the story of their loss to the western world, being saved in the East, and eventually finding their way back to the West, through numerous translations and printings. Finally, we will touch on the role of the Elements in mathematical education (at school and university) over the last few centuries and ask whether this branch of mathematics could or should continue to be relevant.</p>		
27 Feb	Fred Stevenson	Cosmology and the Structure of the Universe - See Page 23 for course details
<p>Rescheduled from Wed 13th morning session at Newcastle Arts Centre *This session will run 12.15-13.45</p>		
06 Mar	No Session	Talks to be on Friday 8th March as part of International Women's Day & British Science Week
13 Mar*	Andrew Jackson	Making for the Light: The Science of Optogenetics
<p>This is a special public event and workshop in conjunction with Brain Awareness Week, part of British Science Week. For full details, see Page 29 *This session will run 11.00–13.30</p>		
20 Mar	TBC	TBC

(Please also see Science Special session with Dr Matthew Ayre on [Friday 22nd March](#) 11.00-12.00)

Wednesday

Mid-week Science Special - Public Lecture & Workshop 13th Mar

Making for the Light: The Science of Optogenetics

Tutor: Andrew Jackson

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

11.00-13.30



This is a special event for [Brain Awareness Week](#) as part of [British Science Week](#)

Optogenetics, which involves the use of light reactive proteins, is providing scientists with a means to understand the brain to a greater level than ever before. This extended session will provide an introduction to a groundbreaking technique and explore how it is being used to try and treat epilepsy. This will be followed by a hands-on workshop, led by professional local artists, to explore the impact optogenetics may have on individuals and the wider society.

Professor Jackson is co-principal investigator for the CANDO project (Controlling Abnormal Network Dynamics using Optogenetics) a world-class, cross-disciplinary and multi-site project.

This is a public event - non-members can book their free place [HERE](#)

Wednesday

Practical Art & Craft Studio: *16th Jan to 6th Mar*

Venue: B&D Studios, 3rd floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

13.30 to 15.30

Continuing our Art and Craft Studio, to run for 8 weeks on a Wednesday afternoon.



There will not be a tutor at each session but we will use the available funding to buy in tutors as and when we need them. We also draw on the skills amongst members. We will be continuing work on the theme of 'The Seashore' and exploring and experimenting with different media (paints, pastels and ink)

Margaret Adams will coordinate and lead this group.

No need to book a place, just turn up.

Classics Course: *16th Jan to 13th Feb*

One Small Step for Man: Sculpture in Ancient Greece

Tutor: Alan Beale

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30



In this introduction to sculpture in its ancient Greek setting, we will trace the development of figurative sculpture and consider its aesthetic qualities and function.

Suggested reading:

Muskett, Georgina 'Greek Sculpture' Bloomsbury 2012

Wednesday

Mid-Week Literature Course: 30th Jan to 20th Mar (no class 20th Feb)

Cycles and Sequels: Exploring Linked Texts

Tutor: Rachel Lister

Venue: White Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30

This series will consider a range of texts linked by place, character or theme, studying 3 short-story cycles and one novella to explore how they work as composites and as collections of autonomous short stories. The overarching theme will be relationships between community & individuality. We will examine Annie Proulx's depiction of experiences in Wyoming, *Close Range: Wyoming Stories* (which includes her most famous short story, 'Brokeback Mountain'). We will study Robert Olen Butler's Pulitzer-Prize-winning cycle, *A Good Scent from a Strange Mountain*, in which he explores the impact of the Vietnam War. We will also look at two texts by Elizabeth Strout: her novella, *My Name is Lucy Barton*, and *Anything is Possible*, a cycle of stories about the people living in Lucy's home town.



Date	Title
30 Jan	Stories from <i>Close Range: Wyoming Stories</i> - Annie Proulx Pt 1 ('The Half-Skinned Steer', 'Job History', 'The Bunchgrass Edge of the World')
06 Feb	Stories from <i>Close Range: Wyoming Stories</i> - Annie Proulx Pt 2 ('Pair a Spurs', 'Brokeback Mountain')
13 Feb	<i>My Name is Lucy Barton</i> - Elizabeth Strout
20 Feb	<u>NO CLASS</u>
27 Feb	Stories from <i>Anything is Possible</i> - Elizabeth Strout Pt 1 ('The Sign', 'Windmills', 'Cracked')
06 Mar	Stories from <i>Anything is Possible</i> - Elizabeth Strout Pt 2 ('Sister', 'Snow-Blind', 'Gift')
13 Mar	Stories from <i>A Good Scent from a Strange Mountain</i> - Robert Olen Butler Pt 1 ('Open Arms', 'Mr Green', 'Trip Back', 'Love')
20 Mar	Stories from <i>A Good Scent from a Strange Mountain</i> - Robert Olen Butler Pt 2 ('The American Couple', 'Good Scent from a Strange Mountain')

Wednesday

Science Course: *20th Feb to 20th Mar*

Geology: Illuminating the Past

Tutor: Derek Teasdale

Venue: Green Room, 4th Floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30



This course will introduce five major advances in geological science which have informed our understanding of our place in the world:

- the discovery of dinosaurs;
- mass extinctions;
- the age of the Earth;
- plate tectonics;
- and climate change.

Wednesday

Explore Extra—cost £60 per course to non Explore members

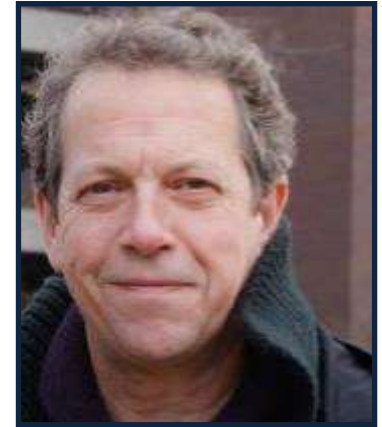
Philosophy Course: 23rd Jan to 20th Mar (No session 30th Jan or 27th Feb)

Philosophers on the Meaning of Life

Tutor: [Ian Ground](#)

Venue: Blue Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

19.00-20.30



In the Twentieth Century, western philosophy became wary of the great questions of life, death and meaning. But, more recently, philosophers have returned to the questions which, as many see it, must be at the heart of philosophical inquiry.

Non-members—How to Book:

Please book your place via Eventbrite using this link: [Philosophers on the Meaning of Life](#)

If you have any issues booking please contact us at weareexplore@gmail.com

Explore Members:

This course is already included in your Explore membership so is free to attend without booking.



Thursday

Culture & Society series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30 to 12.00

Date	Tutor	Title
17 Jan	John Sadler	The Troubles: the Irish War of Independence 1919-1921
24 Jan	Marie Addyman	Medical Theory and Practice in Early Modern England— An introduction to the principles and beliefs which informed medical practice in Elizabethan and Jacobean England
31 Jan	Gordon Reavley	The Far Right and Subversion of Tradition in Modern Germany
7 Feb	Nick Cott	Illuminating the Political Career of William McKeag (1897-1972)
14 Feb	John Griffiths	City Lights: Illumination and the Urban Experience
21 Feb	Sue Wood	The Boards of Guardians and The Poor Laws
28 Feb	PhD to Public	Two talks by PhD Candidates presenting their studies: Sabini Sallis "How like a Bee. For Gaian Bee-ings" and Daisy-Alys Vaughan 'The Sefton Collection: Exploring Greek vases through Object Biography'
7 Mar	Stephanie Piper	Ancient Mariners of the Western Scottish Isles
14 Mar	Malcolm Grady	TBC
21 Mar	Sarah Campbell	Afterlives of a Movement: how obituaries illuminate certain memories of civil rights in Northern Ireland

Thursday

Culture & Society series on the theme of 'Illuminations'

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

12.30 to 13.30

Date	Tutor	Title
17 Jan	Catherine Degnan	Social and Cultural Perspectives on Brexit Britain: Identity, Belonging and the Media
24 Jan	Malcolm Grady	The Times They Are A-Changing - Or Are They?
31 Jan	Judith Green	Newcastle and the British War on Poverty in the 1970s
7 Feb	John Sadler	'Theirs not to reason why' - The Charge of the Light Brigade
14 Feb	Graeme Young	Bamburgh's Early Medieval Cemetery: life and death in the Palace
21 Feb	David Hope	From Trap to Trimmings: British Fur in the British Atlantic 1670-1870
28 Feb	John Griffiths	March 1st Movement in Korea (Based on Events in 1919)
7 Mar	Tim Barmby	Seeing Things in a Different Light: Utopian Socialist Movements in the Nineteenth Century
14 Mar	Peter Golding	The Media in Britain: new technologies and old problems
21 Mar	Adrian Green	John Cosin's Architecture in 17th Century North-East England

Thursday

Science Course: *17th to 31st Jan*

By The Light: Three Scientists, Three Countries, One Moon

Tutor: Chris Hudson

Venue: Blue Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00-15.30

During WWII, 3 scientists in 3 different nations were working in very different disciplines to very different purposes;

Shannon,

Turing,

Von Braun.

Yet their work came together in ways they could not have anticipated, each contributing to put a man on the Moon. Learn more about each of them, and find how their discoveries combined.

Thursday



Culture & Society Course: *28th Feb to 14th Mar*

An Introduction to Anthropology

Tutor: Prof. Cathrine Degnen

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00-15.30

For over one hundred years, Anthropologists have sought to explain and understand the astonishing diversity of how fellow human beings act in the world. As humans, we all face a number of shared universal truths: birth, life, death and everything in between. But how we make sense of these shared dilemmas that living confronts us with - how we explain them, how we behave in response to them, what we teach our children and grandchildren about them, and what we believe to be true about them - can vary dramatically from culture to culture. At its heart then, Anthropology seeks to understand cultural difference, but also human universals. In studying both of these, we also learn a great deal about our own cultural assumptions and our own societal beliefs.

If you have ever wanted to better understand cross-cultural differences, are curious about perspectives on the world that are different to our own as Westerners, or would just like to learn a bit more about Anthropology, this is the course for you.

Thursday

Literature Course:

Retelling and Rewritings in Fiction

Tutor: [Bronwen Calvert](#)

Venue: White Room, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30



This course operates on a booking system—Please read this carefully

This is a seminar-style course of 7 sessions. This is likely to be a popular course so you are asked to register for a place to help us make appropriate arrangements.

To book a place on this course, please e-mail explorelitprog@gmail.com (NOT THE EXPLORE OFFICE, PLEASE) and write 'Bronwen Calvert Booking' in the header.

Please also note that this booking is dependent on a confirmation of registration for the FULL Explore programme before **14th January 2018**.

Bookings will be taken from **Monday 17th December**

If you book on the Explore Programme after 14th January 2019 and wish to register on the course please contact us at explorelitprog@gmail.com to find out if a place is available.

Thursday

Literature Course:

Retelling and Rewritings in Fiction

Tutor: [Bronwen Calvert](#)

Venue: White Room, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

14.00 to 15.30



This course operates on a booking system—please see details on previous page.

Many 20th and 21st century literary works deliberately retell older narratives, reworking and reimagining them for new readers in different eras. We will read extracts from several original narratives, and the connected rewritten works, and consider the shifts and changes between works, writers, and readers.

Suggested links to texts & extracts [HERE](#).

Date	Title
24 Jan	Extracts from Homer, <i>The Odyssey</i> (c. 750 BCE); Margaret Atwood, <i>The Penelopiad</i> (2005)
31 Jan	Charles Perrault, 'Bluebeard' (1697); Angela Carter, 'The Bloody Chamber' (1979; in the collection of the same name)
07 Feb	Extracts from Charlotte Brontë, <i>Jane Eyre</i> (1847)
14 Feb	Jean Rhys, <i>Wide Sargasso Sea</i> (1966)
21 Feb	NO CLASS
28 Feb	Extracts from Mary Shelley, <i>Frankenstein</i> (1818)
07 Mar	Ahmed Saadawi, <i>Frankenstein in Baghdad</i> (2013)
14 Mar	Saadawi (cont'd plus concluding discussion)

Friday

Weekday Science Special : 8th Mar

Women In Science at Explore (British Science Week)

Various speakers, chaired by Maria Goulding

Venue: Green Room, 4th floor,
Commercial Union House, Pilgrim Street, Newcastle upon Tyne

11.00 to 13.00



International Women's Day

Non-members of Explore are welcome to attend this FREE, PUBLIC event. Book your FREE place [here](#)

In conjunction with [International Women's Day](#) and [British Science Week](#), this special event invites three 'women in science' to speak about their current work. The event will be chaired by Maria Goulding and the speakers are:

Dr Azadeh Fattahi-Savadjani from Durham University,

Johanna Weston (PGR) from Newcastle University

Dr Laura Greaves from Newcastle University

No need for Explore members to book a place for this event.



Thursday



Archaeology Course: *24th Jan, 7th Feb, 7th Mar & 21st Mar*

Bernician Studies Group Early Medieval History in the North-East

Tutor: Colm O'Brien and [Max Adams](#)

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

19.00 to 20.30

This independent Study Group meets fortnightly in Commercial Union House (CUH). Current work includes investigating 'Cocwudu' - a possible ancient woodland between Wansbeck and Coquet; further magnetometry surveys in north-east England; and our continuing project researching the Early Mediaeval monastic sites we have identified in Donegal.

Explore members are welcome to join the CUH sessions reporting on and discussing this work and other topics of interest. [For insurance reasons, only members of the BSG itself can participate in fieldwork.]

Friday

Culture & Society Course : *18th Jan to 22nd Feb (session cancelled 1st Feb)*

What is Buddhism?

Tutor: Alexander Gooch

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30 to 12.00

Two and a half millennia ago in northern India, the Buddha presented his radical teaching on human suffering and how it can be overcome. This course will look at the agnostic, pragmatic message of early Buddhism, and how over two and a half millennia it transformed itself into the complex metaphysics and mythologies of the Mahayana and Tibetan Buddhism, the baffling paradoxes of Zen, and the fervent devotionism of Japanese Pure Land Buddhism, before arriving in the West and facing the question of whether it is a religion, a psychotherapy, or a philosophy. Whatever Buddhism is, it is on some level a practical undertaking, so each session will also include a few minutes of (entirely optional) guided Buddhist meditation.

History Course : *1st to 15th Mar*

Newcastle & the Ouseburn in the Age of Chartism c1830-1850

Tutor: Mike Greatbatch

Venue: Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne & Offsite

10.30 to 12.00

Join Mike Greatbatch for a look at Newcastle politics and society during this period of widespread popular protest and repression. This course includes an opportunity to investigate the rich collection of original manuscripts compiled by Thomas Wilson (1773-1858) and other relevant archive material held at Newcastle Local Studies.

1st Mar: Classroom session 8th Mar: Workshop in Newcastle City Library 15th Mar: Guided Walk of Ouseburn (with maybe a hot drink afterwards!)



Friday

Weekday Literature special (One-off class) : 15th Mar

Exploring the Poetry of Thomas Hardy

Tutor: Pamela Woof

Venue: White Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

10.30 to 13.30

Hardy, born into the Victorian age, is still a modern poet, but one who seems not to have heard of Modernism. His poems are born out of himself, mainly his past self, and the remembered dead who come to him and leave him, tantalising, mysterious and vivid. They are set within recognisable surroundings - railway carriages, furniture, musical instruments, village people, birds, trees, and weather, the farms, animals, churches, of his country life and work.

Hardy's strengths are traditional and English, but yet there is a modern distinctive piquancy about his rhyming, variety of verse forms, occasional strange words and jarring rhythms; a mood of sadness can leap to sudden joy, love to loneliness.

Hardy's short poems appeal immediately. They move our feelings and put us in touch with the universal issues of what it is like to be alive and human in our secular age.

Friday

Weekday Science Special : 22nd Mar

Seven Hours, a Rubber Dinghy, and a Shipwreck: The Search for the Nova Zembla

Tutor: Dr. Matthew Ayre

Venue: White Room, 4th floor,
Commercial Union House, Pilgrim Street, Newcastle upon Tyne

11.00 to 12.00



Matthew Ayre, Postdoctoral Fellow at Arctic Institute of North America University of Calgary, will talk on finding the remains of a sunken Scottish whaling ship that crashed on a reef of the east coast of Baffin Island 116 years ago.

Saturday

PLEASE NOTE: THE NEAS Study Day IS NOT PART OF OUR EXPLORE EXTRA OFFER AND CAN ONLY BE ATTENDED BY MEMBERS OF EXPLORE OR NEAS

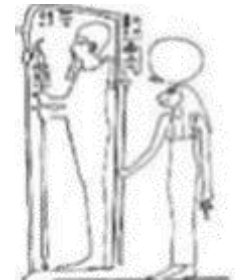
[North East Ancient Egypt Society](#)

**Social Maps of the Egyptian Late Period (664-332 BC):
Priests, People and Bureaucrats in the Western Delta**

Tutor : Elena Tiribilli

Saturday 26th Jan 14.00-16.00

Venue: B&D Studios, 3rd floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



Explore Extra—Saturday Sessions

Interested in Explore but can't attend during the week?

Take a look at our Saturday sessions coming up in Season Two



We're pleased to offer exciting and insightful Saturday talks and classes, which non-members can attend for **£10.00 per session** (from week 2 onwards). There may be some additional material costs for practical art sessions as detailed in the programme.

Book your place via [Eventbrite](#) by clicking on the **TITLE** of the relevant session in the following pages.

Explore members can attend our Saturday sessions as part of their membership at no extra cost and without needing to book (except for the practical art sessions).



Saturday

History Session

[The Spartan Mirage: Exploring Ancient Sparta Then and Now](#)

Tutor : Rachel Lister

Saturday 2nd February 10.30 to 13.00

Venue : Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



Why do the Spartans continue to fascinate us when we know so little about them? This session will give us a chance to examine a range of archaeological and literary evidence of how the secretive Spartans lived and to question the 'Spartan mirage': the powerful images and myths that have become associated with the Spartans over centuries of historical study.

We will study the lives of Sparta's men and women and their attitudes towards politics, religion, education, military prowess and social identity.

Science Session

[The Geology of Durham and Newcastle Cathedrals](#)

Tutor : Derek Teasdale

Saturday 9th February 10.30 to 13.00

Venue : B&D Studios, 3rd floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



This talk will illuminate the decisions faced by the builders of our two great cathedrals. It is no accident that these two buildings look so different. They are built on very different geological strata, and this controlled their size, shape and building materials.

Saturday

Practical Art Session

Seabed Stitches

Tutor : Melanie Kyles

Saturday 16th February 10.30 to 13.00

Venue : The Fashion Lab, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



Learn a range of textural crewelwork and stumpwork techniques in this nautically themed embroidery class.

You will be taught each stitch 'step by step, to enable you to build up your own original textile artwork featuring textural barnacles, sea foliage and sea shells, whilst learning about the history of sewing at sea.

There will be an additional material charge of £2 per member for the embroidery, plus £3 if they'd also like to keep the wooden embroidery hoop.

Saturday

History Session

[Rochdale and After](#)

Tutor : John Griffiths

Saturday 16th February 10.30 to 13.00

Venue : Green Room, 4th Floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



1844 is the 175th anniversary of the formation of the Rochdale Equitable Pioneers Society, an event generally held to be the start of the modern co-operative era. We will see how the principles espoused by the 'pioneers' shaped the British co-operative movement, how it grew to dominate the British retail economy by the mid-twentieth century, then declined until near collapse in 2013.

History Session

[Brave Men's Blood: The Battles of Isandhlwana and Rorke's Drift 1879](#)

Tutor : [John Sadler](#)

Saturday 23rd February 10.30 to 13.00

Venue : Green Room, 4th Floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



When the film *Zulu* came out in 1963, it thrilled a generation of schoolboys with an epic clash of empires. Redcoats and Zulus, two elite forces representing very different faces of Victorian militarism clashed in a minor skirmish which was to become world famous, where eleven VCs were awarded, the highest rate of award ever. The victory at Rorke's Drift came in the wake of a greater defeat and catastrophe at Isandhlwana where the superbly drilled and motivated *Impis* of King Cetshwayo had annihilated an ill-prepared and worse imperial force – one of the worst defeats inflicted by native forces on a European Army in the whole of the nineteenth century.

Saturday

Film Session

Bill Douglas, 'Trilogy'

Tutor : Peter Quinn

Saturday 2nd March 10.30 to 13.30

Venue : Green Room, 4th Floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

Three compelling and critically acclaimed reflections on childhood: *My Childhood*, *My Ain Folk* and *My Way Home*.

The films were made on location in Scotland in 1972, '73 and '78. Jamie's story is based on Douglas's own experience of growing up in the 1940s.

"Watching the Trilogy is far from a depressing experience. This is cinematic poetry: Douglas contracted his subject matter to the barest essentials – dialogue is kept to a minimum, and fields, slag-heaps and cobbled streets are shot in bleak monochrome. Yet with its unexpected humour and warmth, the trilogy brims with clear-eyed humanity, and affection for an ultimately triumphant young boy." ([BFI website](#))



Practical Art Session

Fabric Painting

Tutor : Margaret Adams

Saturday 16th March 10.30 to 13.30

Venue : B&D Studios, 3rd Floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne

Margaret will be introducing and demonstrating simple printmaking technique onto fabric using special block printing inks. You will have the opportunity to create stencils using Lino or wood cut blocks, or specialised stencil paper. You will be able to print onto the provided fabric or your own - you may want to try printing onto a tea towel or tote bag. As usual this workshop is designed to accommodate absolute beginners or seasoned members. There will be a small charge for additional materials.



Saturday

One-off Public Lecture:

Identifying Future-Proof Science

Tutor : Peter Vickers

Saturday 16th March

11.00-12.30

Venue : Green Room, 4th Floor, Commercial Union House, Pilgrim Street,
Newcastle upon Tyne



This is a **Public Lecture** hosted by JCLLC in collaboration with the [Centre for Humanities Engaging Science and Society](#) [CHESS] of Durham University.

Non-members of Explore are welcome to attend this FREE, PUBLIC event. Book your FREE place [HERE](#)

Professor Peter Vickers, Associate Professor at Durham University, asks 'Is science getting at the truth?' In this talk he will explore the issue of how we can identify the scientific theories that will still be with us in a thousand years (if the human race lasts that long!)

Saturday

Philosophy Session:

New Models of Mind: 4E Cognition

Tutor : [Ian Ground](#)

Saturday 23rd March 10.30 to 13.30

Venue : Green Room, 4th floor, Commercial Union House, Pilgrim Street, Newcastle upon Tyne



4E cognition is a new set of models of the mind which offer radically new alternatives to the mainstream accounts of the last 60 years. Drawing on a new anthology of 4E research, this talk will explore the new thinking about the relation between mind and world.

THE END