

# Primary School and Nursery Programme

# 2017–18



National  
Museums  
Scotland



# Welcome to a world of learning

Enrich your learning and teaching with the help of our incredible collections. Science and technology, the natural world, art and design, world cultures and Scottish history – we cover it all at our four national museums across Scotland.

## Choose from:

- Expert-led workshops
- Object handling boxes
- Teacher-led visits
- Teacher training and support

## Decide when you want to come

Our programmes are available throughout the year. Some workshops take place on certain dates.

## Book now

Teacher-led visits and object handling sessions are free of charge. Please see individual workshops for details of charges.

To request your visit, complete our online form at  
[www.nms.ac.uk/schoolbooking](http://www.nms.ac.uk/schoolbooking)

**1 National Museum of Scotland**  
Pages 4–8  
0131 247 4041  
[schools@nms.ac.uk](mailto:schools@nms.ac.uk)

**1 National War Museum**  
Pages 9–10  
0131 247 4041  
[schools@nms.ac.uk](mailto:schools@nms.ac.uk)

**2 National Museum of Rural Life**  
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0131 247 4377  
[schoolsnmrl@nms.ac.uk](mailto:schoolsnmrl@nms.ac.uk)

**3 National Museum of Flight**  
Pages 13–14  
0131 247 4238  
[schoolsnmof@nms.ac.uk](mailto:schoolsnmof@nms.ac.uk)



Find out more about our programmes  
[www.nms.ac.uk/schools](http://www.nms.ac.uk/schools)

Discover a wide range of resources  
[www.nms.ac.uk/explore](http://www.nms.ac.uk/explore)

# National Museum of Scotland

Explore Scottish history, nature, world cultures, science and technology, art and design and more at the National Museum of Scotland in Edinburgh.

For further information visit [www.nms.ac.uk/schools](http://www.nms.ac.uk/schools)

To find our self-led resources visit [www.nms.ac.uk/trails](http://www.nms.ac.uk/trails)

## Events & Exhibitions

### The Tomb: Ancient Egyptian Burial

Free!

First & second level (P1–P7)  
Until Sun 3 Sep 2017

Explore over 1,000 years of burial in ancient Egypt through one extraordinary tomb. You can also book to use our handling box as part of your visit. Advance booking recommended due to anticipated high demand for this exhibition. Exhibition visit 30 mins, handling box 45 mins

### Bonnie Prince Charlie and the Jacobites

First & second level (P2–P7)  
Until Sun 12 Nov 2017

Discover the real story of Bonnie Prince Charlie and the rise and fall of the Jacobites. Featuring exceptional material from our own Scottish collections and spectacular treasures from across the UK and France, the exhibition reveals who the Jacobites were and explores the cause that drove their campaigns.

See page 10 for details of our Jacobite sessions available at the National War Museum which can complement a visit to the exhibition.

10:15/11:45/13:15 (60 mins) £3 per pupil

A free teachers' Private View of the exhibition will be held on Tuesday 29 August, 16:30–18:30. For booking details visit [www.nms.ac.uk/teachers](http://www.nms.ac.uk/teachers)

Exhibition sponsored by Baillie Gifford Investment Managers



Image © Anneleen Lindsay Photography

### Jacobites in Edinburgh

First & second level (P4–P7)  
Wed 6, 13, 20 & 27 Sep, Wed 11 & 25 Oct  
& Wed 8 Nov 2017

Visit two venues as part of a Jacobite day – the Palace of Holyroodhouse and the National Museum of Scotland. Walk in the footsteps of the Jacobites as you explore the Palace to discover more about where Bonnie Prince Charlie set up his Court in Edinburgh in 1745. Classes will also visit our *Bonnie Prince Charlie and the Jacobites* exhibition to see some of the amazing objects used and worn by the Jacobites.

10:15 (4 hours) £4 per pupil

To book contact Royal Collection Trust on  
**0131 557 2500** or  
[learning@royalcollectiontrust.org.uk](mailto:learning@royalcollectiontrust.org.uk)

In partnership with Royal Collection Trust.

### A Jacobite Journey

First & second level (P4–P7)  
Mon 30 Oct–Fri 3 Nov 2017

Relive the dramatic events of 1745–46 as our Jacobite officer reveals the pros and cons of choosing different sides in the last Jacobite Rising and the differences between rival armies. Entry to our *Bonnie Prince Charlie and the Jacobites* exhibition is included.

10:15/11:30/12:30 (45 mins) £70

Chambers Street  
Edinburgh EH1 1JF  
0131 247 4041  
[schools@nms.ac.uk](mailto:schools@nms.ac.uk)

## Wildlife Photographer of the Year

First & second level (P2–P7)  
19 Jan–29 Apr 2018

The most prestigious photography event of its kind, *Wildlife Photographer of the Year* showcases images of the natural world's most astonishing and challenging sights displayed on large backlit panels.

10:15/11:45/13:15 (60 mins) £3 per pupil

*Wildlife Photographer of the Year* is developed and produced by the Natural History Museum, London.



### Museum Mystery Stories

Free!

First & second level (P3–P5)  
Tue 28 Nov 2017

Fun, mysteries and creativity! You might think you know the museum pretty well but did you know that there is a room underneath where a team of expert investigators solve mysteries? Author Mike Nicholson will introduce your pupils to the Museum Mystery Squad. Could your class help them crack their cases? Many of the objects here have secrets attached to them. Join in the mystery story competition and create your very own museum mystery. Books will be available for sale and signing (£5.99 each).

10:30 (60 mins)

Part of Book Week Scotland.

## Early Years

### Magic Carpet

Early & first level (Nursery–P1)  
Available Monday, Tuesday and Friday

Climb aboard the Magic Carpet to discover our collections through songs, stories, and hands-on activities. Choose from the following topics:

- **Dinosaurs**

Find out more about dinosaurs and the people who dig them up. Search for fossils and handle some dinosaur bones.

- **Outer Space**

Become astronauts and blast off into space with Space Ted. Discover the planets and capture stars to take back to class.

- **Get Energised: Weather**

Investigate different types of weather. Take part in hands-on activities to find out how we use wind to generate electricity.

Our Magic Carpet can seat up to 25 children, plus adults.

10:15/11:30/13:15 (60 mins) £35.  
Get Energised: Weather is free.

### Mini-Engineers: The Clock that Won't Tock

Early & first level (Nursery–P1)  
Mon 12–Fri 16 Mar 2018

Hickory dickory dock... oh no, someone's broken our clock! Explore how pushes, pulls and twists can be used to help fix it. Through hands-on activities we will find out how mechanics are all around us, both inside the museum and out. Maximum of 20 pupils per session.

10:15/11:30/12:45/13:45 (45 mins) £35

### Space Explorers

Early & first level (P2–P3)

Become astronauts by blasting into space in this interactive session. Learn about the planets, handle real meteorites, and explore the technologies which let us see further into outer space.

10:15/11:45/13:15 (75 mins) £70

# STEM

## Superhero Science

Second level (P3–P5)  
Mon 11–Thu 14 Sep 2017  
Mon 22–Thu 25 Jan 2018  
Mon 23–Thu 26 Apr 2018

Discover more about inventors and inventions in this live show which explores the science behind super powers. Find out more about forces, energy transfers, infra-red technology and how individuals have contributed to scientific discoveries.

After the show, use our trail to explore objects in our galleries.

10:30/12:00 (45 mins) £3 per pupil

## DNA Extraction

Second level (P4–P7)  
Tue 5–Fri 8 Dec 2017  
Mon 19–Fri 23 Feb 2018

What makes us who we are? Our parents? The way we're brought up? In a scientific sense it's our DNA, the chemical cookbook at the heart of each one of our cells. Pupils will extract DNA, find out about how it works and discover more about its history and sometimes controversial new developments.

10:15/12:30 (75 mins) £70



Image © Ruth Armstrong Photography

## Get Energised: Power House

Second level (P5–P7)  
Mon 9–Thu 12 Oct 2017  
Mon 5–Thu 8 Feb 2018  
Mon 12–Fri 16 Mar 2018

Find out about the different types of renewable energy sources used in Scotland and then build your own energy-efficient town. Pupils will take part in hands-on STEM activities to complete the challenge. A free teachers' training event on renewable energy will be held on Thursday 28 September to complement this workshop.

For event booking details visit

[www.nms.ac.uk/teachers](http://www.nms.ac.uk/teachers)

10:15/12:30 (75 mins)

*Get Energised: Power House and Magic Carpet Get Energised: Weather are made possible by the generous support of the ScottishPower Foundation*



Free!



Image © Ruth Armstrong Photography

## Space Detectives

First & second level (P4–P7)

How do we look into space and what can we discover? See the oldest telescopes in our museum before making individual working telescopes to take back to class. Pupils will also find out about the latest technologies being used to look deeper into space.

10:15/11:45/13:15 (75 mins) £70

## Dinosaur Discovery

First level (P2–P4)

Five large packages containing real fossils, images and replicas have arrived at the museum. Pupils will work in groups to investigate the evidence to identify their dinosaur and then present their findings to the class.

10:15/11:45/13:15 (75 mins) £70

## Animal Adaptations

First & second level (P2–P7)

Why does a leopard have spots? How can an elephant avoid sunburn? Investigate our animal specimens, including an elephant's tooth and arctic fox fur, to discover why and how they have developed as they have.

10:15/11:45/13:15 (75 mins) £70

## Volcano: Seconds from Disaster!

First & second level (P4–P7)

Travel to Montserrat where a volcano is about to erupt! Pupils take on real-life roles as politicians, scientists and community members who have to work cooperatively to decide what action they will take to survive.

10:15/11:45/13:15 (75 mins) £70

# Social Studies

## Death in Ancient Egypt

First & second level (P3–P7)

Discover how and why Egyptians created mummies, then work in groups to find out more about the people behind mummified figures. Pupils will handle real Egyptian objects and create their own Egyptologist's log book. Classes can also use our Egyptian Trail to discover ancient Egyptian objects in the museum.

10:15/11:45/13:15 (75 mins) £70

## A Viking Day Out

First & second level (P2–P6)

Mon 19–Fri 23 Mar 2018

Join Jason and his friend Gyða on an extraordinary adventure into the Viking world in our interactive show. Expect a song, stories and myth-busting mysteries aplenty as pupils help the children search for a very important bracelet. The day also includes a 45 minute teacher-led Viking handling box session.

10:45/11:45 (show times)

45 mins show, 45 mins handling box

£3 per pupil

## Viking Object Handling Session

First & second level (P3–P7)

How did the Vikings start their fires? How did they make their clothes? Led by our Enablers, pupils explore our object handling collection and visit key objects in the gallery to answer these questions and more.

10:15/11:30/13:00 (60 mins) £70

## Roman Object Handling Session

First & second level (P3–P7)

Handle Roman nails from a fortress in Perthshire, or feel what Roman soldiers would have worn. Led by our Enablers, pupils will explore our object handling collection and visit key objects in the gallery.

10:15/11:30/13:00 (60 mins) £70



Image © Ruth Armstrong Photography

## Romans on the Frontier

First & second level (P2–P5)

Mon 5–Thu 8 Feb 2018

Journey back to Scotland in the second century and join the Roman Army in this session. Meet the Centurion as your class discovers what they can expect from a life in the legions.

10:15/11:30/12:30 (45 mins) £70

## Making a Classroom Museum

First & second level (P4–P7)

Why not turn your next learning display into a museum exhibition? In this workshop, pupils will work with collections from around the world to learn the skills that museum staff use to display, care for and promote our exhibitions.

10:15/11:45/13:15 (75 mins) £70

## Teacher-led Object Handling Boxes

Free!

Explore our object handling boxes using our notes for teachers. Available for:

- Amazing Animals
  - Mystery Objects
  - Romans
  - Scotland's Early People
  - Scotland's Rocks and Fossils
  - Scots and Emigration
  - Victorians
  - Vikings
- (45 mins)

# National War Museum

Edinburgh Castle  
EH1 2NG  
0131 247 4041  
[schools@nms.ac.uk](mailto:schools@nms.ac.uk)

Step back in time with your pupils and discover the story of Scotland at war. Explore stories of wartime experiences, from the frontline to the home front, through personal mementoes and military equipment. Book our free object handling collection of letters, photographs and uniforms as part of your visit.

## Jacobites in the Capital

Second level (P5–P7)

Mon 2–Thu 5 October 2017

Become either a Jacobite or a Redcoat and explore Edinburgh Castle and the National War Museum. Handle replica objects and costumes and discover how Edinburgh Castle played an important role during the time of Bonnie Prince Charlie. Classes will also visit our *Bonnie Prince Charlie and the Jacobites* exhibition at the National Museum of Scotland to see some of the amazing objects used and worn by the Jacobites.

10:15/12:30 workshop (90 mins)

10:15/12:30 exhibition visit (45 mins)  
£70

## Rebels and Redcoats

First & second level (P4–P7)

Mon 12–Thu 15 Mar 2018

Meet two soldiers on opposing sides of the Jacobite Rising and hear their very different feelings about Bonnie Prince Charlie and the 1745 challenge to the throne. Explore Edinburgh Castle and the National War Museum's collection and find out how the rebellion failed.

10:30 (4 hrs) £70

To book call Historic Environment Scotland's Learning support team on 0131 652 8155/8156

*In partnership with Historic Environment Scotland.*



Image © Ruth Armstrong Photography



Image © Chris Scott

## Teacher-led Wartime Life Experience

Free!

Second level (P5–P7)

Learn about the real-life stories of Scottish evacuees, prisoners of war, sailors and those left at home, supported by our 1940s Wartime Life resource pack. Examine letters, photographs and uniforms, hear news from the frontline on the wireless, and watch as veterans recall their experiences on DVD.

(75 mins)

## Ghosts of War: Armistice Day Poetry

Second level (P5–P7)

Wed 1, Thu 2 & Tue 7–Thu 9 Nov 2017

Explore the museum's powerful exhibits and visit the National War Memorial to share in an act of Remembrance. Work with poets to explore objects related to the First World War and develop an understanding of the world by writing poems of war and peace.

10:00 (4.5 hrs) £70

*In partnership with Historic Environment Scotland.*

## Hands-on History: Trench Warfare

Second level (P5–P7)

Get to grips with First World War trench warfare by examining evidence in our object handling collection and first-hand accounts of wartime experiences, including letters and photographs.

10:30/12:30 (75 mins) £70

## Prisoner of War Radio

Second level (P5–P7)

Mon 14–Thu 17 May 2018

What were conditions like for Scottish soldiers in Prisoner of War camps? How could you get news from the outside world? Working in teams, design a crystal radio set then use Morse Code to plan your escape with the help of the local resistance movement.

10:00/12:30 (2 hrs) £70

Wester Kittochside  
East Kilbride G76 9HR  
0131 247 4377  
[schools@nmsorl@nms.ac.uk](mailto:schoolsnmsorl@nms.ac.uk)

# National Museum of Rural Life

Take in the sights, sounds and smells of our 1950s working farm and historic farmhouse with your class. Explore life in the countryside during wartime, find out where the food in your lunchbox comes from and discover the wildlife on your doorstep.



Image © Ruth Armstrong Photography

## Early Years

### Magic Carpet

Early & first level (Nursery–P1)

Climb aboard our Magic Carpet to discover our collections through songs, stories, and hands-on activities. Choose from the following topics:

- **The North Wind and the Sun**

Learn all about the seasons through this fun adaptation of an Aesop's fable. The North wind blows the villagers' hats from their heads and the farmyard animals are shaking with fear but it's the sun's warmth and gentleness that proves to be far more powerful than the wind.

- **All the Colours of the Day**

Meet a curious owl who decides to stay awake during the day. He can't believe the beautiful colours all around him, throughout day and into night.

- **Bertie's Babycino**

Join Bertie as he leaves his beloved babycinos in the city and journeys to the farm. City and countryside can't be more different but there is something very particular that features in both of Bertie's special worlds...milk!

- **Scots Farming**

Whit's a dug, coo or yowe? Meet a Tattie Bogle and learn all about the Scots words we use on the farm through stories, songs and rhymes.

- **Get Energised: Weather**

Investigate different types of weather. Take part in hands-on activities to find out how we use wind to generate electricity.

Our Magic Carpet can seat up to 15 children, plus adults (60 mins) £35  
Get Energised: Weather is free

## Social Studies

### Second World War: Evacuees!

First & second level (P4–P7)

Tue 26, Wed 27 & Fri 29 Sep 2017

Wed 7–Fri 9 Mar 2018

It's 1939 and your class has just been evacuated to Wester Kittochside Farm. Experience life as an evacuee in the countryside during the Second World War.

10:15/12:30 (75 mins) £70

## STEM

### Get Energised: Power House

Second level (P5–P7)

Mon 6–Thu 9 Nov 2017

Find out about the different types of renewable energy sources used in Scotland then build your own energy-efficient town. Pupils will take part in hands-on STEM activities, working in pairs to complete the challenge.

10:15/12:30 (75 mins)

Free!



Image © Ruth Armstrong Photography

## Technologies (Food & Textiles)

### Butter making

Early, first & second level (P1–P7)

Tuesdays, Wednesdays & Thursdays

Where do butter, milk and cream come from? Try your hand at butter making, find out how it has changed over the years – and taste the results!

10:15/12:30 (75 mins) £70

### Field to Fork

Tuesdays, Wednesdays & Thursdays

Early, first & second level (P1–P7)

Which animals give us beef, mutton and pork? How does the wheat growing in a field turn into bread for your sandwiches? Investigate real objects to learn how people farmed in the past and plant some seeds to take back to school.

10:15/12:30 (75 mins) £70

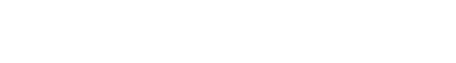
### Farm Tours

Free!

Early, first & second level (P1–P7)

Hop aboard our Farm Explorer trailer for a short ride to our historic farm. Meet the people who work there and look after the animals. Find out what farming was like 50 years ago and why we keep Ayrshire cattle and Blackface sheep.

(60 mins)



## National Museum of Flight

East Fortune Airfield East

Lothian EH39 5LF

0131 247 4238

[schools@nms.ac.uk](mailto:schoolsnmof@nms.ac.uk)

Set coordinates for Scotland's best preserved First and Second World War airfield.

Explore our *Fortunes of War* gallery and find out what it was like to serve here, then discover the science and technology of flight in our interactive *Fantastic Flight* gallery. How do aircraft fly? How are they built and what skills do you need to fly them?

In the Military and Civil Aviation Hangars each aircraft is accompanied by a touchscreen which will allow your pupils access to original film and photographs of the aircraft as well as interviews with people who designed, built and flew them.

Check our website as new programming is being developed throughout the year [www.nms.ac.uk/schools](http://www.nms.ac.uk/schools)



## Early Years

### Flying Toys

New!

Early & first level (Nursery–P2)

Make simple things that fly, then find out about forces through the pushes and pulls that make them glide.

10:15/11:45/13:15 (75 mins) £70

### A Journey in Stories

Early & first level (Nursery–P2)

Join us on a thrilling adventure in our de Havilland Dragon plane. Find out about the science of flight and become explorers as we travel the world discovering amazing places.

10:15/11:45/13:15 (75 mins) £70

### Transport

Early & first level (P1–P2)

Explore the topic of transport through handling objects and our collection of aeroplanes, then find out what it was like to be a passenger on Concorde.

10:15/11:45/13:15 (75 mins) £70

# STEM

## Fantastic Flying Forces

Second level (P5–7)

By building three experiments of their own, pupils will discover more about the forces involved in flight and how aeroplanes fly.

10:15/11:45/13:15 (75 mins) £70

## Build a Better Catering Trolley

Second level (P5–7)

Your pupils will work in teams to design and build a better trolley to deliver drinks and snacks on board Concorde.

10:15/11:45/13:15 (75 mins) £70

## Get Energised:

Free!

### Power House

Mon 13–Thu 16 Nov 2017

Second level (P5–P7)

Find out about the different types of renewable energy sources used in Scotland then build your own energy-efficient town. Pupils will take part in hands-on STEM activities, working in pairs, to complete the challenge.

10:15/12:30 (75 mins)

Get Energised: Power House is made possible by the generous support of the ScottishPower Foundation



# Social Studies

## First World War

Second level (P5–7)

Through photographs and clothing you will discover what it was like for the pilots who flew in the war. Find out why the Germanic Ocean changed its name and how the east coast of Scotland became the front line.

10:15/11:45/13:15 (75 mins) £70

## Second World War

Second level (P5–7)

Try on the flying clothing that the pilots at East Fortune wore and find out why this corner of East Lothian became such an important airfield during the war.

10:15/11:45/13:15 (75 mins) £70

*The schools education programme at the National Museum of Flight has been developed with support from Heritage Lottery Fund.*



LOTTERY FUNDED



Image © Ruth Armstrong Photography

# Outreach Programmes

To allow us to develop new programming, the National Museum of Flight is offering outreach programmes to schools in Edinburgh, the Lothians and Borders. All sessions are free of charge provided evaluation is completed. For details of the programmes currently being offered please visit [www.nms.ac.uk/schoolsflight](http://www.nms.ac.uk/schoolsflight) or email [a.love-rodgers@nms.ac.uk](mailto:a.love-rodgers@nms.ac.uk)

This is part of a Heritage Lottery Fund Activity Plan to accompany the restoration of our historic hangars.

# Visiting our museums

You can book a free self-led visit to any of our four museums for all class sizes. By booking in advance we can provide you with access to a cloakroom and lunchroom. Trail sheets and teachers' packs are available. You can also book one of our handling boxes to use during your visit.

## Career-Long Professional Development

Free!

We run regular training sessions for teachers on a variety of topics, including private views of special exhibitions. To see our latest topics visit [www.nms.ac.uk/teachers](http://www.nms.ac.uk/teachers)

## Online resources

We have a variety of online resources available for schools, including activity sheets and teachers' packs linked to our museums, together with games and activities about our collections. Much of our online content is suitable for use on an interactive whiteboard. Visit [www.nms.ac.uk/schools](http://www.nms.ac.uk/schools)



Image © Ruth Armstrong Photography



### National Museum of Scotland

Chambers Street  
Edinburgh  
EH1 1JF

### National War Museum

Edinburgh Castle  
Edinburgh  
EH1 2NG

### National Museum of Rural Life

Wester Kittochside  
Philipshill Road  
East Kilbride  
G76 9HR

### National Museum of Flight

East Fortune Airfield  
East Lothian  
EH39 5LF

## Connect with us

Keep up to date with all the latest news for schools from our four national museums at  
[www.nms.ac.uk/schools](http://www.nms.ac.uk/schools)

