

Primary School
and Nursery
Programme

2016–17



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 and from July 2016, the National Museum of Scotland will have ten brand new galleries for your classes to visit.

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. Check this booklet for details or visit www.nms.ac.uk/schools



Book now

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

To book your visit, complete our online booking request form at www.nms.ac.uk/schoolbooking

For more information, contact us:
National Museum of Scotland
National War Museum
0131 247 4041
schools@nms.ac.uk

National Museum of Flight
0131 247 4238
schoolsnmof@nms.ac.uk

National Museum of Rural Life
0131 247 4377
schoolsnmorl@nms.ac.uk

Find out more about our programmes
www.nms.ac.uk/schools

Free!

Discover a wide range of resources
www.nms.ac.uk/explore

National Museum of Scotland

Chambers Street
Edinburgh EH1 1JF
0131 247 4041
schools@nms.ac.uk

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

On 8 July 2016, ten new galleries dedicated to innovation and creativity in Decorative Art, Design, Fashion, Science and Technology will open. To help you enjoy these with your classes we have extended our range of workshops and self-led resources. We are also running additional sessions for teachers throughout the year so you can explore our new galleries before visiting with your classes. For further information visit www.nms.ac.uk/schools



Image © Ruth Armstrong

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.

- **Monkeying Around**

available 2 Dec 2016–23 Apr 2017

Find out more about monkeys and other primates. Includes a visit to our interactive exhibition *Monkey Business*.

- **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 (60mins) £35.
Get Energised: Weather is free.

Teddy Bear Hospital

Free!

Early level (Nursery)

Tue 15–Fri 18 Nov 2016

Mon 6–Fri 10 Mar 2017

Meet Dr. Dolly as she goes on her ward round at our Teddy Bear Hospital. Discover how she helps three patients make sense of their senses. This session has been designed to stimulate the youngest of scientific minds in a fun, approachable way. Maximum of 15 pupils per session.

10:15/11:30/13:00 (45mins)

Mini-Engineers:

The Clock that Won't Tock

Early & first level (Nursery–P1)

Mon 27–Fri 31 Mar 2017

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 15 pupils per session.

10:15/11:30/12:45/13:30 (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 (75mins) £70



Image © by Chris Scott

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 (75mins) £70

Ancient Egypt Exhibition Visit

Free!

First & second level (P1–P7)

31 Mar–3 Sept 2017

Visit our *Ancient Egypt* exhibition and use our handling box to discover more about mummification. Please book well in advance due to anticipated high demand.

Exhibition Visit (30 mins), Handling Box (45 mins)

A Viking Day Out

First & second level (P2–P6)

Mon 3–Thu 6 Oct 2016

& Mon 6–Thu 9 Feb 2017

Join Jason and his friend Gyða on an extraordinary adventure into the Viking world in our new interactive show. Expect a song, stories and myth-busting mysteries aplenty as pupils help the children search for a very important bracelet.

10:45/11:45 (45mins) £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 many more.

10:15/11:30/13:00 (60mins) £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 explore our object handling collection, plus visit key objects in the gallery.

10:15/11:30/13:00 (60mins) £70

Romans on the Frontier

First & second level (P2–P5)

Mon 28 Nov–Thu 1 Dec 2016

Mon 16–Thu 19 Jan 2017

Journey back to Scotland in the second century and join the Roman Army in this new session.

Meet the Centurion as your class discovers what they can expect from a life in the legions.

10:15/11:30/12:45 (45mins) £70

A Jacobite Journey

First & second level (P4–P7)

Mon 23–Thu 26 Jan 2017

Relive the dramatic events of 1745-6 as our Jacobite officer reveals the pros and cons of choosing sides in the last Jacobite Rising, and the differences between the rival armies. This new session involves handling authentic and replica objects.

10:15/11:30/12:45 (45mins) £70

Mary, Queen of Scots

First & second level (P4–P7)

Tue 25–Thu 27 Oct 2016

Tue 21–Thu 23 Mar 2017

Meet Mary, Queen of Scots to discover what life was like for a child at the Scottish royal court in the 1500s. How do you behave in the presence of a Queen? Mary herself reveals the answers.

10:30/12:30 (75mins) £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 (75mins) £70

Digging up the past: Celts

First & second level (P3–P5)

Mon 12–Wed 14 Sep 2016

How can we discover what life was like in our ancient past? Dig for evidence, explore archaeological objects, and use your detective skills to piece together the mysteries of the Celts.

Includes entry to our *Celts* exhibition.

10:15/12:30 (75 mins) £70

Teacher-led Object Handling Boxes

Free!

Explore our object 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

(45mins)



Science

Superhero Science

First & second level (P3–P6)
 Tue 6–Fri 9 Sep 2016
 Mon 5–Fri 9 Dec 2016
 Mon 5–Thu 8 Jun 2017

This live show packed full of experiments and demonstrations will explore 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, explore super objects in our galleries to continue your heroic journey.
 10:30/11:45/13:15 (45 mins)

Free!

Get Energised: Power House

Second level (P5–P7)
 Mon 31 Oct–Fri 4 Nov 2016
 Mon 16–Fri 20 Jan 2017
 Mon 13–Thu 16 Mar 2017

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, working in pairs, to complete the challenge.
 10:15/12:30 (75 mins)

Free!

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



DNA Extraction

Second level (P4–P7)
 Mon 28 Nov–Fri 2 Dec 2016
 Mon 24–Fri 28 Apr 2017

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)

Free!

Pandemic – Can You Save the World?

Second level (P6–P7)
 Mon 10–Thu 13 Oct 2016
 Mon 19–Thu 22 Jun 2017

Experience this brand-new immersive science show as we take an action-packed journey through a world-threatening pandemic. Meet scientific heroes whose inventions have revolutionised how we fight disease, have the chance to help us identify the source of the outbreak and see if you can make the right choices to save humanity – the future safety of the world is in your hands!
 10:30/11:30 (45mins)

Free!

DNA Extraction, Pandemic – Can you Save the World? and **Teddy Bear Hospital** are made possible by the generous support of **The Wellcome Trust**

Supported by
wellcometrust

Space Detectives

First & second level (P3–P7)

How do we look into space and what can we discover? Discover 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 discover which dinosaur each belongs to, before revealing their findings to the class.

10:15/11:45/13:15 (75mins) £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. Between 2 December and 23 April 2017 includes entry to our *Monkey Business* exhibition.

10:15/11:45/13:15 (75mins) £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 (75mins) £70

Monkey Business Exhibition Visit

First & second level (P1–P7)

2 Dec 2016–23 Apr 2017

Explore the world of primates, from the tiny mouse lemur to the mighty gorilla. Find out what has caused them to become endangered and what we can do to help. Featuring taxidermy specimens and articulated skeletons of monkeys, apes, lemurs, lorises and bushbabies, alongside models, engaging interactives, stunning photography and film.

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

My World of Work Live! at the National Museum of Scotland

My World of Work Live! inspires young people's interest in science, technology, engineering and maths (STEM) careers.

For primary 7 to S3 pupils, its interactive activities are hands-on and engaging, empowering young people to make informed decisions about their future. Museum objects are used to spark discussion on the wealth of opportunity STEM careers offer, and challenge young people to see where STEM subjects could take them.

Before and after their visit, pupils can go to myworldofwork.co.uk to find information and tools to help them explore a range of careers across a variety of industries. You'll also find support resources to help pupils make the most of their visit and continue learning back in the classroom.

You can also use self-led STEM trail sheets during your visit, which will guide your pupils round the museum galleries and encourage them to think about their skills and the jobs available to them now, and in the future.

More information online
www.nms.ac.uk/MyWOW



National War Museum

Edinburgh Castle
EH1 2NG
0131 247 4041
schools@nms.ac.uk

Step back in time with your pupils and discover the story of Scotland at war. Relive 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.

Rebels and Redcoats

First & second level (P4–P7)
Mon 13–Thu 16 Mar 2017

Hear both sides of the story on this full-day visit to Edinburgh Castle. Tour the defences with our regimental Redcoat, visit the prisons with our Jacobite soldier, explore the museum's collections, and find out how the rebellion failed.

10:30 (4hrs) £70

To book call 0131 652 8155/8156

In partnership with Historic Environment Scotland.

Prisoner of War Radio

Second level (P5–P7)
Mon 8–Thu 11 May 2017

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 (2hrs) £70





Teacher-led Wartime Life Experience

Free!

Second level (P5–P7)

Relive the real-life experiences 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.
(75mins)

Ghosts of War: Armistice Day Poetry

Second level (P5–P7)

Tue 23–Thu 27 Oct 2016

Mon 31 Oct–Fri 4 Nov 2016

Explore the museum's powerful exhibits, share in an Act of Remembrance, and develop a knowledge and understanding of the world by writing poems of war and peace with the Scottish Poetry Library.

10:00 (4.5hrs) £70

In partnership with the Scottish Poetry Library and Historic Environment Scotland.

Hands-on History: Trench Warfare

Second level (P5–P7)

Mon 19–Fri 23 Sep 2016

Mon 10–Fri 14 Oct 2016

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 (75mins) £70



National Museum of Rural Life

Wester Kittochside
East Kilbride G76 9HR
0131 247 4377

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 Babyccino**

Join Bertie as he leaves his beloved babyccinos 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. (60mins) £35.
Get Energised: Weather is free.

Image © Ruth Armstrong Photography



Social Studies

Dig for Victory

First & second level (P4–P7)

Mon 12–Fri 16 Sep 2016

Come to the country and learn how to live off the land, WW2 style. Pupils will help pick tatties to take back to school, learn about what food was available in WW2 and meet our resident Land Girl!
10:15/12:30 (75mins) £70

Second World War: Evacuees!

First & second level (P4–P7)

Mon 12–Fri 16 Sep 2016

Mon 6–Fri 10 Mar 2017

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 (75mins) £70

Teacher-led Hearth and Home Handling Box

Free!

Early, first & second level (P1–P7)

What household gadgets did we use around the home in the 1950s? Explore how much daily life and housework have changed in this teacher-led, hands-on session. Can you work out what our mystery objects are?

(60mins)



Image © Ruth Armstrong Photography

Science

Get Energised:

Power House

Second level (P5–P7)

Wed 26–Fri 28 Oct 2016

Wed 2–Fri 4 Nov 2016

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 and Magic

Carpet Get Energised:

Weather are made

possible by the generous support of the ScottishPower Foundation



Technologies (Food & Textiles)

Butter making

Early, first & second level (P1–P7)

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

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 (75mins) £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.

(60mins)

National Museum of Flight

East Fortune Airfield
East Lothian EH39 5LF
0131 247 4238

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?

The National Museum of Flight has just opened new Military and Civil hangars. Each aircraft is accompanied by a touchscreen which allows 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

Early Years

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 (75mins) £70

Transport

Early & first level (P1–P2)

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

10:15/11:45/13:15 (75mins) £70



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 (75mins) £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 (75mins) £70

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



LOTTERY FUNDED

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 (75mins) £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 (75mins) £70

Build an Airfield

Second level (P7)

How do designers fit the runways, the buildings and the aeroplanes into a piece of land? Your pupils will use maths and models to design their own airfields.

10:15/11:45/13:15 (75mins) £70



Get Glow-ing with National Museums Scotland

Free!

Our Glow TV programme means that wherever you are in Scotland your pupils can take part. Each online workshop, led by our expert team, focusses on a different topic with interactive discussions, questions and a chance to see our objects up close, all whilst sitting in your classroom. You'll also get to link up with classes from around the country as part of the session.

To sign up to take part, log into Glow, go to 'Glow TV' and look for sessions by National Museums Scotland.

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.



Image © Ruth Armstrong Photography

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/schools and click on the 'Teachers' section.

Teachers' Orientation Days at the National Museum of Scotland

10:00–14:00

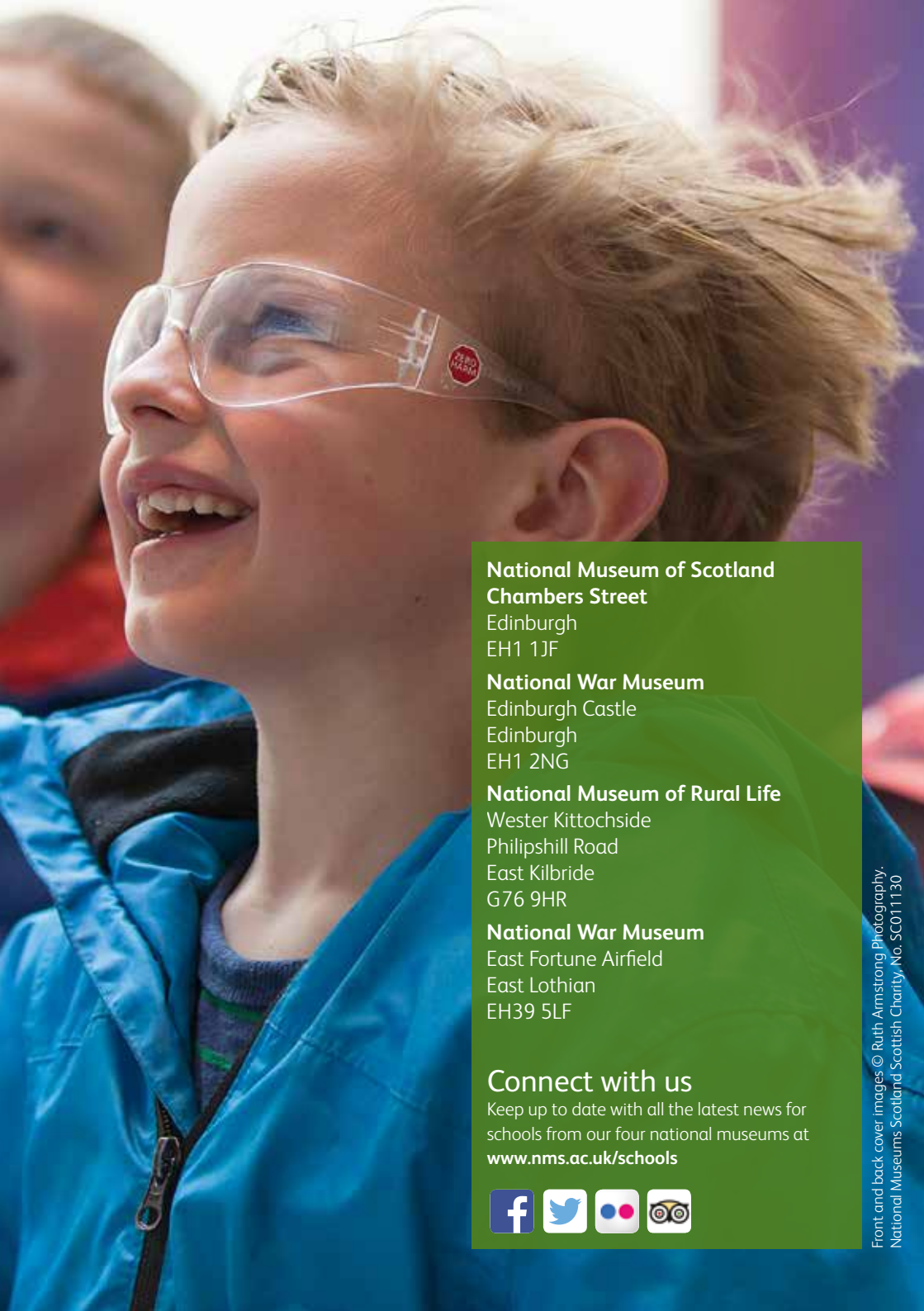
Sat 1 Oct 2016; Sat 4 Feb; Sat 29 Apr 2017

A hands-on networking session to assist with planning your visit, completing risk assessments, and finding your way around the museum. Museum staff will provide resources, advice, and training on use of our handling collections.

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/explore



National Museum of Scotland
Chambers Street

Edinburgh
EH1 1JF

National War Museum

Edinburgh Castle
Edinburgh
EH1 2NG

National Museum of Rural Life

Wester Kattochside
Philipshill Road
East Kilbride
G76 9HR

National War Museum

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

