



thinktank
Birmingham science museum



Home Educator Day

Tuesday 6th December 2016.

Contents

- Information about home educator day
- List of sessions and descriptions
- Terms and conditions



birminghammuseums.org.uk

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Theme: The Crunch

Our December Home Educator Day will have our 2016 project *The Crunch* as its theme.

The Crunch is an exciting year of activities, experiences and discussions about our food, our health and our planet. Everyone is invited to get involved and help create the recipe for a happier, healthier future. The future of food is one of the biggest challenges on our plate. Food and drink are fundamental to our lives, connecting everything from our health to the world around us. It's time for us to take a fresh look at our relationship with food. At the moment it's unsustainable, and this needs to change so that we can live healthier, happier lives.

After an exciting day at the museum, families will be able to follow up with further activities to try at home.

Format and Cost

We are offering three packages, one each for under 8 years old, 8-11 years old, and over 12 years old. Each child will get to participate in a workshop, a planetarium show and a theatre show. These sessions will run between 10:30 and 16:30 and the slots will be filled on a first-come, first-served basis, if you have any special timing considerations please mention so in your booking and we will do our best to accommodate you.

The Home Educator Day costs £16.00 per child over the age of three (or £12.00 per child for Membership PLUS holders). This price is the same price as a school attending a full day of activities would pay per child. There is one programme of activities for each age group.

To allow families a brilliant opportunity to share their learning and experiences of the day, each paying child is entitled to bring one free accompanying adult with them (additional adults will cost £9 each). Children must be supervised by an adult at all times and are only permitted to attend sessions which they have booked. Siblings under the age of 3 may accompany older siblings, however children under the age of 8 are not permitted into the Science Laboratory.

We understand that in many families only one adult is able attend the Home Educator Day. In this situation we suggest that you could join up with another family for the day; one adult can supervise and support the children who are over 8 years of age, and one the children who are under 8 years of age.

Booking

Once you have read all about our sessions, please fill in the booking form (available on our website) and email it to:

homeeducators@birminghammuseums.org.uk

On receipt of your booking it will be processed and you will be provided with a payment code and confirmation of your allocated sessions. Once you have a payment code phone 0121 348 8260 (Education Bookings Line) and pay for your booking, your sessions are not guaranteed until payment has been received.

Bookings cannot be made over the phone.

On the day

On the day please arrive at least 15 minutes before the start of your first session, directions to Thinktank can be found at

www.birminghammuseums.org.uk/thinktank

There will be a team of staff ready to meet you and provide a copy of your timetable just outside the main entrance to Thinktank on level 2.

There is a charging car park next to Thinktank which is operated by the City Council. This is the closest place to park for the day. For information and prices please visit: www.millenniumpoint.org.uk/visit-us

There is a packed lunch area on level 0 if you want to bring your own lunch. There will also be a café open in the same area selling hot and cold snacks.

Membership Plus

Birmingham Museums have a 'Membership Plus' pass which will be available at a special discount of a third off on Home Educator Day.

Membership Plus entitles you to:

- Free entry to Thinktank, all heritage sites and to special exhibitions at Birmingham Museum and Art Gallery for a year.
- 10% off items in the shop and the café.
- Discount on future Home Educator Days.

The cost of the Membership Plus is:

Family Home Educator Day Price: £56.67 (Normal Price: £85)
(2 adults and 3 children)

Adult Home Educator Day Price: £25.34 (Normal Price: £38)

Child Home Educator Day Price: £18.67 (Normal Price: £28)

Concession Home Educator Day Price: £18.67 (Normal Price: £28)

This offer will only be available to visitors participating in Home Educator Day and must be purchased on the day; we have this offer available as we appreciate the financial restrictions of Home Education.

Under 8s Programme



Extreme Climates

What? Show

Where? Planetarium, Level 3

Presenter-led show about conditions on alien worlds, as well as the current state of the environment on Earth. There are 7 other planets in our Solar System, with hundreds more being discovered around other stars. If our planet's climate becomes unbearable, can we simply pack our bags and move to another world?

Live presenter-led show, with opportunities to ask questions.

Food Packaging Investigation

What? Workshop

Where? Banneker Classroom, Level 1

In this session students will investigate the properties of different packaging materials to discover what makes them suited to their purpose. Learners will explore why packaging can be useful and why it can be bad for our planet, and find out about new technological advances in food packaging.

All participants are requested to bring in an item of clean, used packaging, such as a yoghurt pot or fruit netting.

The Crunch Family Show

What? Show

Where? Theatre, Level 2

Will we always eat the same thing? Or will we choose different foods in response to climate change and other stresses on our ability to grow crops and raise animals for food? In this show we lift the lid on the three potential protein sources that may be a part of our diet in 2050. The show is positively crawling with opportunities for audience participation.

There will also be a drop-in family activity – details will be provided on the day.

Over 8s Programme



Extreme Climates

What? Show

Where? Planetarium, Level 3

Presenter-led show about conditions on alien worlds, as well as the current state of the environment on Earth. There are 7 other planets in our Solar System, with hundreds more being discovered around other stars. If our planet's climate becomes unbearable, can we simply pack our bags and move to another world? Live presenter-led show, with opportunities to ask questions.

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Carbon Footprint Investigation

What? Workshop

Where? Curie Classroom, Level 1

In this workshop we will be exploring the concepts of food miles and carbon footprints. Learners will test their knowledge of where different food products come from, explore the stages required to bring our food from seed to plate, carry out an investigation into emissions produced, and discuss whether we should change our eating habits as a result.

The Crunch Family Show

What? Show

Where? Theatre, Level 2

Will we always eat the same thing? Or will we choose different foods in response to climate change and other stresses on our ability to grow crops and raise animals for food? In this show we lift the lid on the three potential protein sources that may be part of our diet in 2050. The show is positively crawling with opportunities for audience participation.

There will also be a drop-in family activity – details will be provided on the day



Over 12s Programme

Extreme Climates

What? Show

Where? Planetarium, Level 3

Presenter-led show about conditions on alien worlds, as well as the current state of the environment on Earth. There are 7 other planets in our Solar System, with hundreds more being discovered around other stars. If our planet's climate becomes unbearable, can we simply pack our bags and move to another world? Live presenter-led show, with opportunities to ask questions.

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Water Footprint Investigation

What? Workshop

Where? Attenborough Classroom, Level 1

Water supplies are becoming scarcer but we are often unaware of how much water we consume. We will explore the concept of "virtual water" – the water that is taken to produce the food on our plate, investigate the virtual water in typical plates of food, and consider what actions we should take as a result.

The Crunch Family Show

What? Show

Where? Theatre, Level 2

Will we always eat the same thing? Or will we choose different foods in response to climate change and other stresses on our ability to grow crops and raise animals for food? In this show we lift the lid on the three potential protein sources that may be part of our diet in 2050. This fun theatre show is positively crawling with opportunities for audience participation.

There will also be a drop-in family activity – details will be provided on the day.



Create a City Makerspace

What? Drop in session

Where? Darwon Classroom, Level 1

When? 10:30-12:00 and 13:30-15:00

For Home Educator Day at Thinktank we are running drop in Makerspace sessions for students and parents. All are welcome.

The theme is Create a City which will be a hands-on creative activity based on STEM learning. Please feel free to come in and make, create or discuss the project. You will be helping us to plan and develop a new 1000m² interactive gallery for younger children (under 8s) based on STEM learning and we want to ensure that we cater for the needs of the home educated children in our community.

No booking is required for this session.

Conditions of your visit to Thinktank's Home Educator Day

PLEASE ENSURE THAT ALL ACCOMPANYING PARENTS AND GUARDIANS HAVE READ THIS BEFORE YOUR VISIT TO THINKTANK.

Conduct and Responsibilities

You are responsible for the supervision and conduct of your children at all times. It is important that children are never left unattended or allowed to wander around the building alone. Severely disruptive behaviour will lead to your family group being asked to leave Thinktank.

Payment

Payment must be made by credit or debit card (we accept Visa, MasterCard, Maestro, Switch and Solo) no later than one week in advance of the Home Educator day. Admittance cannot be guaranteed if you have not paid in advance. If you cancel within 1 week of the Home Educator day, Thinktank will charge 50% of the total cost of your visit. Cancellations must be sent in writing.

Arrival

We strongly recommend that you arrive at least 15 minutes before the start of your planned itinerary. Please report to the entrance on level 2. Here you will be met by our enabler team, who will confirm your itinerary and provide information about the day. If you arrive late, your itinerary starts at the time of your arrival. You will forfeit the itinerary up to that time and a replacement session may not be available.

Cloakroom and Lunch

You may use the cloakroom on level 2. Coats, bags and lunches can be left on these rails and you will be able to return to them at any time. Please note: Items are left at owner's risk, therefore, please keep any valuables with you. The packed

lunch area is located on level 0. Please note that there are toilets on all floors.

Galleries, Workshops and Shows

All galleries in Thinktank are accessible from the main staircase in the centre of the building. Please refer to your Thinktank map for floor plans. Workshops take place in the classrooms, all of which are located on level 1. All science shows take place in the Theatre on level 2. Some sessions have age restrictions due to health and safety requirements. Because of this you may be asked to produce proof of your child's age to gain entry to a session. Children under 8 years of age are not permitted into the science laboratory.

Children will not be permitted into workshops, science shows or other activities if they are not supervised by an adult. Each child is entitled to a free accompanying adult to ensure that this can happen.

Planetarium Shows

The planetarium is located on level 3 and shows are open to paying members of the public. Please arrive at the entrance in time for the start of your show. Latecomers are not admitted once the show has started.

If you have any problems during your visit, the enabler team are located in the galleries and will assist you in any way they can.