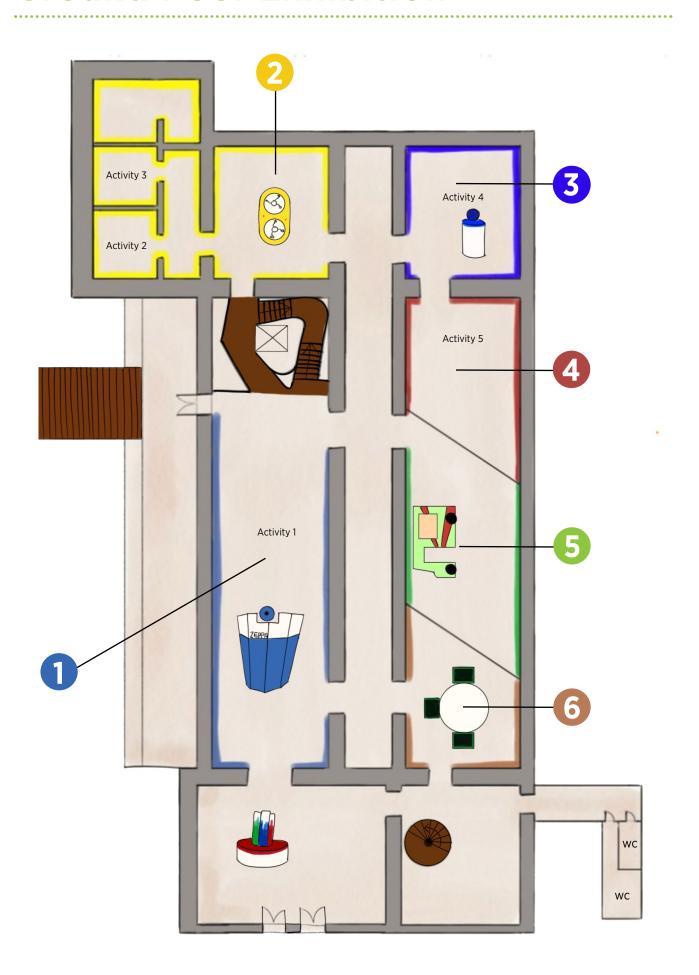








Map of Main Building Ground floor Exhibition



Main Building Ground floor Exhibition Consists of:

In the **Motion gallery**, watch your students get hands-on as they try out a Newton's cradle, explore the effects of friction, check out a hot air balloon, aeroplane wings and much more.





In the **Optics gallery**, your students will step into a world of light and explore reflection, refraction, colour, vision, absorption and spectroscopy.

The **Electricity and Magnetism** gallery encourages students to explore magnetic fields, static and current electricity through hands-on exhibits!





Evaluate your diet, view your heart rate, put together a 3D heart, examine different body cells and trace through the digestive system in the **Human Body** gallery.

In the **Eco Life gallery**, learners can take quizzes about product materials and energy use at home, build their dream home, and play a waste sorting game.





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The **Earth gallery** brings earthquakes, volcanoes and tornadoes to your students' fingertips.

Plan your visit

DISCOVER EVERYTHING YOU NEED TO KNOW BEFORE BOOKING AN EDUCATIONAL VISIT TO ESPLORA INTERACTIVE SCIENCE CENTRE.

WHAT DOES AN EDUCATIONAL VISIT CONSIST OF?

We recommend that you plan a visit of at least 3 hours, typically from 9:30am till 12:30pm. An educational visit consists of:

- An activity comprising of either an interactive workshop, a live science show, or a planetarium show/ film.
- Reserved time slots in the ground floor exhibition galleries (Motion, Optics, Human Body, Eco-life, Earth, Electricity and Magnetism), accompanied by one of our team members.
- A 30-minute lunch break.

We facilitate your visit. When you arrive we will give you a schedule so that you know the timing and location of each session. Our staff member/s assigned with your group will guide you throughout your visit.

FREE TRANSPORT

State schools may avail themselves of the free transport scheme to Esplora. This initiative is supported by the Ministry for Education, Sport, Youth, Research and Innovation. Please contact our bookings office for more information



FREE ENTRANCE FOR EDUCATORS

Experience Esplora first-hand prior to planning your visit!
Educators and their immediate family members (one additional adult and up to two children) are entitled to a FREE entrance to Esplora's exhibition galleries all year round. Please visit **Esplora's website** for more information.

Terms & Conditions apply.

BOOK A TOUR FOR A GROUP OF TEACHERS

A group of teachers may book a visit to Esplora and meet one of our team members. Get in touch on bookings@esplora.org.mt or call on 2360 2299 for further details.



Pre-Visit Activities

WE PREPARED A NUMBER OF RESOURCES RELATED TO ESPLORA THAT YOU CAN USE PRIOR TO YOUR VISIT. DOWNLOAD THE PRINTABLE RESOURCES FOR THE PRE-VISIT ACTIVITIES FROM THE FOLLOWING LINK: https://esplora.org.mt/yr3-yr4-pre-visit-activities/





EXHIBITION AREA: MOTION

Trick or Treasure?

Download the **pre-visit activity 1 resource** and use it either for a storytelling session, for a listening activity or as a comprehension exercise prior to your visit to Esplora. During your visit, encourage students to discover if the crown was actually made of pure gold or not!

Want to learn more about density? Check out the episode on 'What keeps ships afloat?' of Ġina u l-Esploraturi by following this link: https://esplora.org.mt/gina-u-l-esploraturi/

EXHIBITION AREA: OPTICS

Colour Absorption Animals

The colour absorption room is one of our visitors' favourite exhibits. We often hear comments that they would like to have a similar room at home. Download the **pre-visit activity 2 resource** for the visuals related to this exhibit and use these as visual prompts for students' speaking sessions. What can they see? Which is their favourite animal and why? What interesting facts can you tell me about your favourite animal? Does the visual remind them of anything? Which animals do you see at night/ during the day? Which animals do you think can be found locally?

Bring the animals to life by visiting the colour absorption room at Esplora.





EXHIBITION AREA: OPTICS

Experimenting with shadows

Download the **pre-visit activity 3 resource** and ask students to build their own shadow theatre using a shoebox or a piece of cardboard. You can also watch this video with your class in order to help them better understand how to build their own shadow theatre.

During your visit at Esplora, make sure to explore the Optics Gallery to play with life-sized shadows! You can also book the Shadow Play Workshop as an activity for your students.

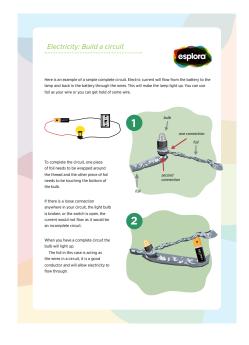
EXHIBITION AREA - ELECTRICITY

Let's build a circuit

Print and disseminate the **pre-visit activity 4 resource**.

Students are to build their own circuit at home using foil or wires, a small bulb and a battery. Ask the students to think about introducing a switch to the circuit. Students can select some material to try out and predict whether materials are insulators or conductors by testing them out. This will enable students to achieve the primary science broad learning outcomes of making a prediction (3.1.3/4.1.3), carry out a simple practical investigation (3.1.4/4.1.4), record observations (3.1.5/4.1.5) and make simple conclusions (3.1.6/4.1.6). During your visit to Esplora, you will get to visit the Electricity Gallery and experiment with more complex circuits.

You can also use this as a vocabulary resource.





EXHIBITION AREA: HUMAN BODY

Periodic Table of Human Emotions

Emotions make up an important aspect of our life. Being able to express our emotions helps us acknowledge one's feelings, process them and act accordingly. The ability to sense and understand the emotions of others helps us to build and maintain positive relationships with others.

Use the **pre-visit activity 5 resource** as an aid in emotional development. Expand children's vocabulary and empower them to better express their emotions. This is also displayed in our Human Body gallery.

Download our EDUCATION PROGRAMME

to choose your activity



Please scan the QR Code below to view the Education Programme



Post-Visit Activities



FOLLOWING YOUR VISIT TO ESPLORA, WE PREPARED A NUMBER OF ACTIVITIES THAT YOU CAN OPT TO DO IN CLASS OR ASSIGN TO STUDENTS TO DO AT HOME. DOWNLOAD THE PRINTABLE RESOURCES FOR THE POST-VISIT ACTIVITIES FROM THE FOLLOWING



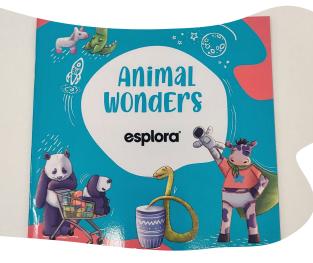
LINK: https://esplora.org.mt/yr3-yr4-post-visit-activities/

WRITING TASK - A VISIT TO ESPLORA

Following your visit to Esplora, use the **reflective wheel**, forming part of the **post-visit resource**. You may want to print a large copy and utilise it for a class activity on which students can write their collective comments.

Print the **writing task post-visit resource** and ask students to write a report about their visit in order to encourage them to reflect on their learning experience.





ANIMAL WONDERS

Following your visit to the Colour Absorption Room and our colourful wall animals, download the **post-visit resource - Animal Wonders**, Esplora's own book! Use it as a resource for visual prompts, storytelling and other reading/writing activities with your class.

SHADOW PLAY WORKSHOP

Experimenting with shadows

Following the pre-visit activity of building a shadow theatre and the students' visit to the Captured Shadows exhibit, ask students to get creative and design their own puppets such as a hero and a villain.

Use the **post-visit resource** as a writing task for students to create and develop their own story.





For a wonderful range of exciting and unique STEM related gift ideas

