



ESPLORA 2023

SUMMER

PROGRAMME



SUMMER PROGRAMME

ESPLORA 2023

Once again, a new scholastic year comes to an end and the summer holidays are here! Esplora Interactive Science Centre offers a range of inspirational and engaging learning experiences for all students to enjoy in a fully airconditioned space. The programme includes science shows, workshops, 200+ interactive exhibits and a planetarium experience. The list of interactive activities is designed to give students the opportunity to explore, think, imagine, appreciate and create!

Groups interested in visiting Esplora are requested to choose between Experience 1, Experience 2 and Experience 3.

Each group will have reserved time slots in different exhibition galleries, and will be guided by an Explainer team member. Students will also have the opportunity to participate in an activity, such as a hands-on workshop, a live science show or a planetarium show/ film.

STUDENTS	Kinder 1 – Year 1	Year 1 - Year 11	Year 1 - Year 11
EXPERIENCE	Experience 1	Experience 2	Experience 3
EXHIBITION GALLERIES	Little Esploras Galleries: Home & garden, Ball Factory, outdoor playscape	Ground Floor Exhibition Galleries: Motion, Optics, Electricity & Magnetism, Human Body, Eco-Life, Earth	Upper Halls & Planetarium Exhibition Galleries: Media studio, engineering & telecommunications, nature of matter, sound & illusion, universe, living in space
ACTIVITY	Interactive Storytelling or Science Show	Interactive Workshop or Science Show	Planetarium Live Show or Planetarium Film

HOW MUCH DOES IT COST?

- €3 per student
- Students with a disability card may benefit from a concession fee of €1.50.
- Up to 4 supervising adults per class are admitted for free. Please note that a class with less than 2 supervising adults may be refused admission to Esplora for health and safety reasons.





From July to September, Esplora's opening hours are:

- Monday: Closed
- Tuesday – Friday: 9am – 3pm
- Saturday, Sunday & Public Holidays: 10am – 5pm

CLASS BOOKINGS ARE NOW OPEN!

Contact us on bookings@esplora.org.mt or call us on **23602299**. Our bookings officer will reply and guide you through the programme, answering any questions you might have.

SUMMER SCHEDULE

ACTIVITY TYPE	AGE	DURATION OF ACTIVITY	JULY	AUGUST	SEPTEMBER
 INTERACTIVE STORYTELLING					
Combined with Little Esploras Galleries	3 - 6 K 1 - YR 1	30 Mins	ShapeBird	Little Sprouts	ShapeBird
 SCIENCE SHOW					
Combined with Little Esploras Galleries	3 - 6 K 1 - YR 1	30 Mins	Beautiful Bubbles	Beautiful Bubbles	Beautiful Bubbles
Combined with Ground Floor Exhibitions Galleries	6+ YR 1 & older	45 Mins	Colours Everywhere	Colours Everywhere	Colours Everywhere
Combined with Ground Floor Exhibitions Galleries	6+ YR 1 & older	45 Mins	Body Wonders	Body Wonders	Body Wonders
 WORKSHOP					
Combined with Ground Floor Exhibitions Galleries	5 - 7 YR 1 - YR 2	45 Mins	Colouring with Chemistry	Bee-A-Coder	Shadow Play
Combined with Ground Floor Exhibitions Galleries	8+ YR 3 & older	45 Mins	Blast Off!	Blast Off!	Blast Off!
Combined with Ground Floor Exhibitions Galleries	11+ YR 7 & older	45 Mins	Lunar Mission 1.0	Creative Collisions	Lunar Mission 1.0
 PLANETARIUM FILM/SHOW			Planetarium films and shows vary in topic, age recommendation and length. Please visit our website for more information. https://esplora.org.mt/planetarium-experience/		
Combined with Upper Halls Exhibition Galleries	6+ YR 1 & older				

DESCRIPTION OF ACTIVITIES



BEAUTIFUL BUBBLES: SCIENCE SHOW (AGE: 3-6)

Big, small, cubical, light, heavy bubbles. Why can you see a rainbow in bubbles? Why do they always form spheres? Why do they always fall to the ground? Can we fill bubbles with different gases? Created for our little explorers, this show will explore the science behind beautiful bubbles.

LITTLE SPROUTS: INTERACTIVE STORYTELLING (AGE: 3-6)

Have you ever looked at a plant and wondered where it came from? Or why caterpillars make cocoons? Let me tell you a story about a seed that becomes a plant, and an egg that becomes a beautiful butterfly. Through this interactive storytelling session, students will discover how to grow plants from seeds and what plants need in order to grow!



SHAPEBIRD: INTERACTIVE STORYTELLING (AGE: 3-6)

Be an ornithologist (bird scientist) for a day and join us on a quest to discover the nest of the mythical bird known as ShapeBird. Discover the colourful world of birds and explore shapes, colours and textures as you sort and count together.



BODY WONDERS: SCIENCE SHOW (AGE: 6+)

Join us for this live science show to explore how our body and its essential organs work. Through a series of intriguing demonstrations, discover how food is processed through our digestive system, which one of our eyes is dominant and ... why our body produces gas!



COLOURS EVERYWHERE: SCIENCE SHOW (AGE: 6+)

Who can resist a science show full of colourful experiments? Watch how a bouquet of flowers can change colour! Fuel students' curiosity with this playful interaction with chemistry. Can we pour out all the colours of the rainbow? Could we make fireworks in our lab? A science show that will surely leave students wondering what else there is to discover about the world around us.



BEE-A-CODER: HANDS-ON WORKSHOP (AGE: 5-7)

Code your way to the National Aquarium, Haġar Qim or the Ġgantija Temples! Explore simple programming concepts and go on an exciting adventure around the Maltese Islands with our friendly bee bots.



COLOURING WITH CHEMISTRY (AGE: 5-7)

Prepare to be amazed by the colourful world of chemistry. Be an artist for the day and create your own designs using common household chemicals instead of paint!

10



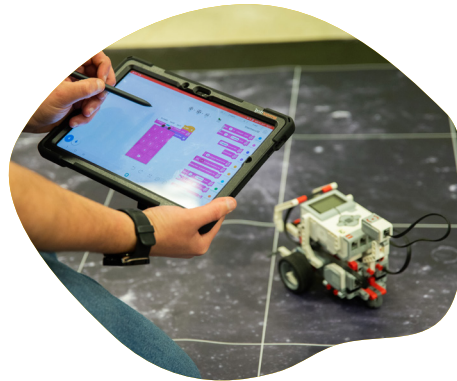
SHADOW PLAY: HANDS-ON WORKSHOP (AGE: 5-7)

Discover the relationship between lights, colour and shadows. Create a shadow theatre performance to explore how light interacts with different objects.



BLAST OFF!: HANDS-ON WORKSHOP (AGE: 8+)

Get hands-on as we investigate rockets and learn how they shoot up to the sky. Use water and compressed air to launch a rocket, experiment with different shapes of parachutes and design a recovery system. Have a safe journey!



LUNAR MISSION 1.0: HANDS-ON WORKSHOP (AGE: 11+)

We're going back to the moon! Join our mission to code our lunar rover. Use your mathematical skills to complete a set of tasks in preparation for humans to go back to the moon. Are you up to the challenge? Students will need to work in teams to code our LEGO Mindstorms EV3 rovers to complete a set of lunar tasks, whilst also strengthening their mathematical skills.



CREATIVE COLLISIONS: HANDS-ON WORKSHOP (AGE: 11+)

We're on the move! Design and build a K'Nex car with enough safety features to protect a raw egg from breaking when colliding with a wall, while exploring kinetic and potential energy, as well as energy transfer.

11



PLANETARIUM EXPERIENCE (AGE: 6+)

The EsploraPlanetarium is your gateway to the stars! With a 10.7 metre diameter, the EsploraPlanetarium is a colourspace 4K theatre hosting entertainment and educational shows related to the Planets, the Solar System as well as the whole Universe. Planetarium shows vary in topic, age recommendation and length. Please visit our website for more information. <https://esplora.org.mt/planetarium-experience/>



EsploraPlanetarium is equipped with a hearing loop system for the benefit of people making use of hearing aid devices. Users would need to switch their hearing aid devices to Telecoil mode to benefit from this system. The Hearing Assistance System is accessible from row 2 to 5.



www.esplora.org.mt

ESPLORA | Interactive Science Centre
Villa Bighi, Kalkara KKR 1320 - Malta

Esplora Interactive Science Centre was part-financed by ERDF
Esplora was declared to be an Emblematic Project by the EU Commission

