

WHAT ELSE DO YOU NEED?

Almost everything is already supplied: science kits, art and craft materials, paints and markers, scissors and tapes. However, some extra things are needed with each child to bring, such as:

- + An empty 2 litre fizzy drink bottle, such as 7Up, Club Orange/Lemon, TK (these all have the same spout/neck size);
- + Mix of fruits like a lemon, an orange and a washed potato - or try something else!
- + Wolly jumper or heavy fleece top.
- + A shoe box with your name - to store it all;
- + And a healthy lunch with a drink!

If these can be brought on the Monday, then everything needed for the week is ready. Each science camper's name will be applied to all items.



ABOUT THE CAMP

These are aimed for children aged 9 to 13 years old (4th class to 6th class and even First Year).

The camp facilities are wheelchair friendly, and are done at a pace that will allow the smallest fingers to catch up with the rest of the group. Kits are supplied and a



Daily Camp Duration
10am to 2:30pm

WHEN & WHERE?

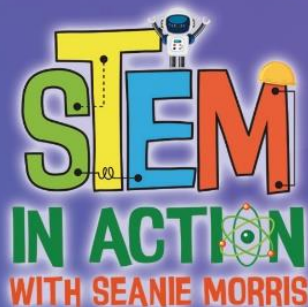
July 1st to 5th

-or-

July 8th to 12th

Birr Castle, R42 V027

Limited places to give greater attention to each camper. Take home *at least* 1 project per day with almost everything provided.



There will be time for exercise and play - and also to experiment with the projects.

€110 per child, €90 per family child in the same household.

Register by contacting

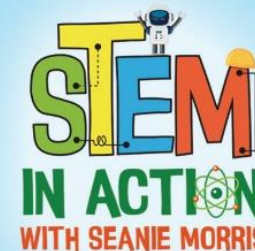
Seanie Morris

Call/Text/WhatsApp:

087 6825910

fun@steminaction.ie

BUILD EXPLORE DISCOVER!



Silly Science Camp!



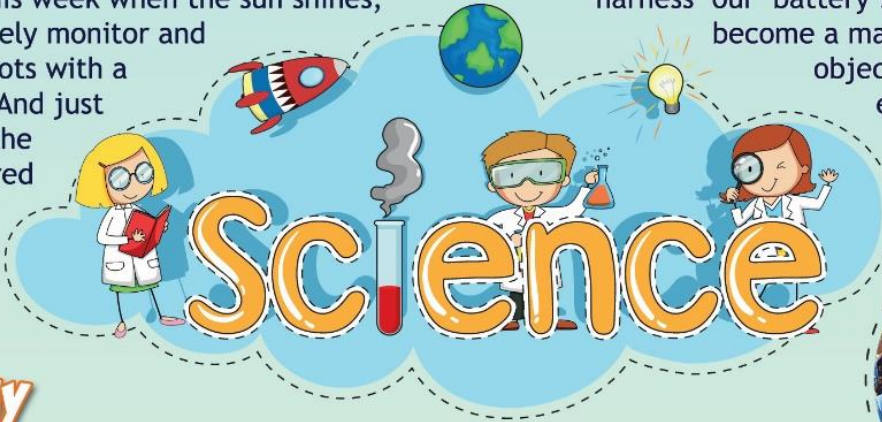
FUN, INTERACTIVE AND ENGAGING SCIENCE ACTIVITIES IN A DAY CAMP SETTING THAT LETS CHILDREN LEARN, EXPLORE AND HAVE FUN!
Enrolling Now
LIMITED PLACES!

MONDAY

BUILD A ROCKET, KIDS!

Combine chemistry with arts and craft to construct, decorate and launch a rocket in the classroom. Learn about rocket science by demonstrating Isaac Newton's Second Law of Motion, first with balloons to work out the flaws, and then with your rocket.

Each day this week when the sun shines, you will safely monitor and track sunspots with a telescope. And just how big is the Sun compared to Earth? All will be revealed!



TUESDAY

SUCK IT UP!

Learn about airflow and how fans work, either as a small desk fan or a huge jumbo jet engine. Then, using a small bottle and a kit supplied you get to construct your own vacuum cleaner that can pick up small objects.

Plus, what makes your fingers on your hand move, and can we make a bionic version of our own hand using art and crafts to copy the biology of your hand? Yes we can, and you will find out how.

And have you ever held a shooting star, or meteor? You will at this camp!

There are more daily activities than just what you see here! How about making rocket fuel from water and watch it ignite? Or a paper airplane launcher? What about seeing a magnetic field from a magnet? Our imaginations will be unleashed - who knows what else will come home EVERY day!

WEDNESDAY

START YOUR ENGINES!

Electricity and magnetism kind of go hand in hand. With one, you can create the other. Learn how a 1.5 volt battery, magnets and some wire can become a monopolar motor before your eyes. Plus, what happens if an electric motor is used in reverse? And can we harness our battery's electrical power to become a magnet to pick up metal objects? Or what about the electricity in your hair for a coke can race? Prepare to be shocked!



THURSDAY

FRUIT HAS THE POWER!

Not only are fruit (and vegetables!) a good source of vitamins and minerals, but they are also as a source of electrical power for your body. Your body uses that power for different functions on the inside. Can we use some of that fruit's power on the outside? Find out what happens if we take the 'time' to use fruit to create electricity in the classroom. And how much electrical energy do each of us carry? Do you think the light is inside you? The results might 'shock' you!

FRIDAY

HOW FAST IS FAST?

We have seen how light travels from the Sun, planets and stars to us. How fast IS light? And can we measure it in the classroom? Yes we can, and we will! Then join in the end-of-camp show-off for our Water Powered Rockets (The BIG Ones) to test our rocket engineering. How high, and how fast will they go? We'll find out. Parents are welcome to come along too!



ABOUT YOUR HOST

Seanie Morris is a renowned science communicator, STEM outreach facilitator, and amateur astronomer based in County Offaly. He is an annual contributor in the *Space Speaker in the Classroom* series across Ireland during Space Week, hosts science and astronomy events during Science Week, and is a regular space and astronomy correspondent on Irish radio stations. He is a member of Midlands Astronomy Club since he was 12 years old. He loves science, astronomy and getting his hands dirty by exploring the world around us.



Seanie works with kids through his science communication and outreach, is a QQI Level 6 SNA and is Garda Vetted and certified in Child Safeguarding.