Atlantic
Technological
University

SLIGO
ENGINEERING
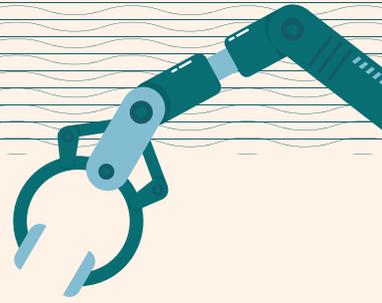# FAIR

Sunday 1st March 2026
12PM - 4PM

ENGINEERS IRELAND
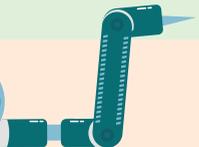NORTH WEST

STEPS
Engineers
Week

Abbott

A Family event explaining engineering in a fun way

The Engineering Fair at ATU will include a wide range of performances, interactive displays workshops and demonstrations for all the family to enjoy.

Design, Build & Discover with lots of fun guaranteed for both children and adults.

You can expect a warm welcome from our entrance guardians

What's on at the Sligo Engineering Fair?

AL-1X

*Out and about
at the fair all day*

Come to the fair and see AL-1X (Artificial Life – 1st eXperiment). Built to be a cleaning robot but today AL-1X is at the fair day to chat with you about all things engineering and beyond!

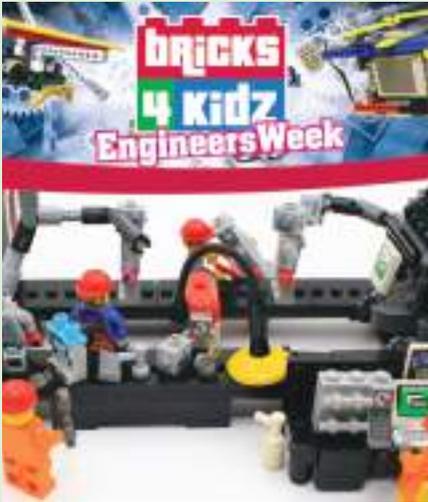### The Wonders of Everyday Engineering Physics withJayRyan

*The Library
12.30, 1.30 & 3.00pm*

This unique show is created and presented by Jay Ryan, well known to many as the star of the RTE Junior 'Living with a Fairy' series.

Join us for a hands-on physics adventure where we'll explore the magic of everyday materials! In this fun and interactive session, we'll discover the surprising strength of paper and eggs, test our reflexes with a tablecloth trick, and see how balance and air pressure work in action. Perfect for young curious minds, this workshop will turn simple physics into a world of fun. Come ready to experiment and be amazed!

Bricks4kidz
- Freeform Room

B1202
Drop in - All Day

For those of you that just want to build your own freeform Lego machines or worlds, come along to the Bricks4kidz freeform room and get stuck in!

Bricks4kidz
- Workshop

B1201
12.15, 1.15, 2.15 & 3.15pm

Come along and join Bricks 4 Kidz and their fun and challenging workshop and explore engineering through using LEGO®, Technic & Robotics. The Engineering Fair & Engineers Week provide a unique opportunity for primary students to learn about engineering and together with Bricks 4 Kidz, you can help us build the engineers of tomorrow. LEGO® based education programmes have proven to be a very effective method of introducing engineering

concepts to school age children and a Bricks 4 Kidz engineering workshop provides children of all ages with a fun and educational way to develop their understanding of engineering principles through building dragsters, roller coasters, buildings and much much more using our specially designed Lego® Technic kits.

Age 7+
Limited to 25 participants per session Tickets from the Engineering Fair reception on a first come first served basis

Games Development Workshop
with Neil Gannon

B2313 - 12.30& 2pm

Learn how games are made by creating a small 2D project in Unity. This workshop covers basic programming, art integration, and level design in an accessible, beginner friendly format.
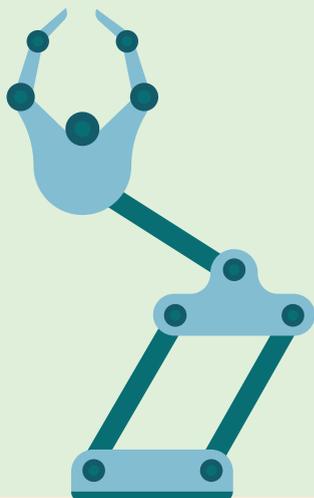
Age 12+
Limited to 20 participants per session

Book *Tickets* **Here** --- [Games Development Workshop – Fill in form](#)

Dual Virtual Reality (VR) Pods

Main Concourse
Drop in - All Day

The dual VR pods are a full 9D experience, giving up to four players the buzz of motion, sound and wind effects while they dive into more than twenty immersive games – everything from wild rollercoasters to creepy haunted houses.
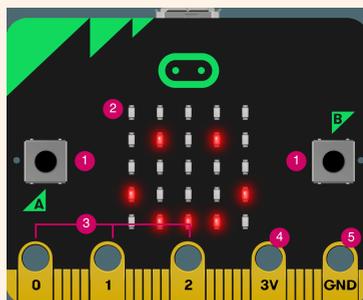

Micro:Bit Workshop
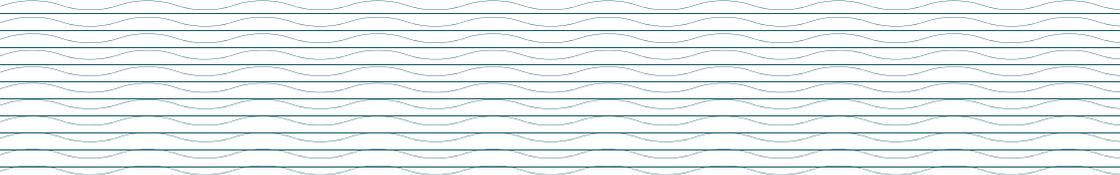
B2311

12.45 & 2.00pm

Age 10-14 years

Limited to 15 participants per workshop

Tickets can be booked online here:
[Micro:Bit Workshop – Fill in form](#)

Join us for an exciting micro:bit workshop where children aged 10-14 will explore the world of programming and robotics by creating their own smart desk lamp or smart fan using the Ring:bit kit! Participants will learn how to code their micro:bit to control lights and motors, developing key engineering and problem-solving skills in a fun, hands-on environment. This workshop is perfect for young innovators interested in STEM and ties into real-world engineering concepts showcased at the fair. No prior coding experience is needed—just curiosity and creativity!

Abbott

Engineering

DEMONSTRATIONS/ACTIVITIES

About Abbott

Abbott is a global healthcare leader that helps people live more fully at all stages of life. Our portfolio of life-changing technologies spans the spectrum of healthcare, with leading businesses and products in diagnostics, medical devices, nutritionals and branded generic medicines. Our 115,000 colleagues serve people in more than 160 countries.

Abbott in Ireland

Abbott has maintained a strong presence in Ireland since 1946 and celebrates its 80th anniversary in the country in 2026. The company supports the Irish healthcare sector with a broad portfolio spanning diagnostics, diabetes care, medical devices and nutritional products. Today, Abbott employs more than 6,200 people across ten sites located in Dublin, Donegal, Clonmel, Cootehill, Galway, Kilkenny, Longford and Sligo.

Abbott & STEM

At Abbott, innovation isn't just what we do, it's how we empower our employees to push boundaries, improve lives, and transform the future through meaningful, life changing work. Every day, our teams contribute to developing products that help people live better and healthier lives around the world. As we mark 80 years of Abbott in Ireland, we are especially proud to collaborate once again with ATU Sligo and look forward to inspiring students from across the North West through the Sligo Engineering Fair.

Connect with us at **www.abbott.com** and on **LinkedIn**, **Facebook**, **Instagram**, **X** and **YouTube**.

ROBOTHINK

Build, Code and Play with Robots

RoboThink!

Main Concourse
Drop in - All Day

RoboThink North West has been dedicated to delivering high-quality, engaging STEM/STEAM education to children through Workshops, Summer, Easter and Halloween Camps, and After School Clubs - currently we are in 10 schools across Sligo!

Our experience in delivering interactive and hands-on sessions ensures that children develop key STEM/STEAM skills in a fun and supportive environment. We are committed to inspiring the next generation through innovative, educational experiences that make science, technology, engineering, arts, and maths both accessible and enjoyable.

RoboThink North West Ireland offer After School Clubs, Workshops, Birthday Parties and camps at Easter, Summer and Halloween in Sligo, Leitrim and Roscommon. Looking to book us for an event? email northwest@robothink.ie

RoboThink! Workshops

B1080
12.15, 1.45 & 3.00pm

Age 5-13 years

Limited to 22 participants per workshop
Tickets from the Engineering Fair reception on a first come first served basis

This year, we're inviting young innovators to step into the world of automotive engineering with our hands-on 1-hour workshop

Design Your Own Car and Build It for the Future
Using our RoboThink STEM kits, children will design and build their very own Robot Xar, bringing their ideas to life just like real-world engineers do! It's a fantastic opportunity for young minds to problem-solve, experiment, and think creatively about the future of transportation.

Workshop Tours

Toolmaking Workshop Tour:
12.15, 1.15 & 2.15pm

Electrical Workshop Tour:
12:45, 1.45 & 2.45pm
Meet at the Engineering Technology Stand at the Main Reception

Come along to the Engineering Fair and have a guided tour of ATU Sligo's Toolmaking and Electrical workshops with the department of Engineering Technology.

In the Tool Room Workshop, there will be CNC 5 axis and 3 axis CNC mills together with a CNC lathe up and running for the day!

ATU keyrings and novelty spanners for all !!!

In the Electrical Workshop you will be introduced to the exciting world of electricity and electronics including installation techniques, wiring systems, distribution boards, motor controls and much more.....
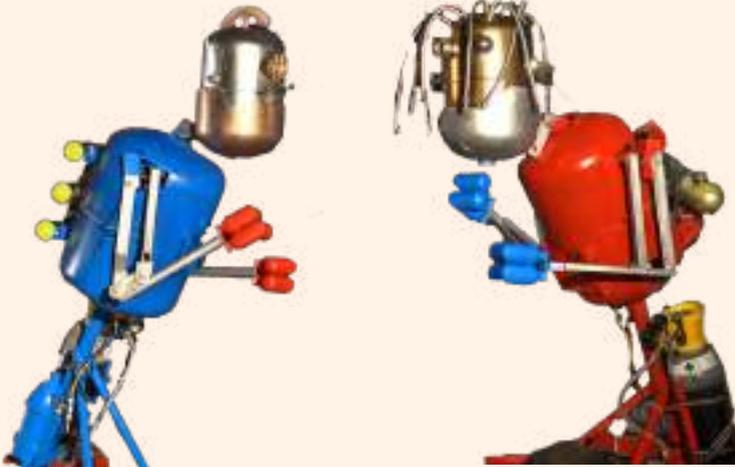
Join the tours for a great chance to see behind the scenes of engineering in action!

Age 7+ Max 12 persons per session

Robot Boxers

Lower Concourse
Drop in - All Day

Full Size Heavyweight Boxing Robots. These unique Boxing robots, standing at 2 metres tall, will stand toe-to-toe in an all out robot boxing match – the only two heavyweight boxing robots in the world ,Michael Coggins Vs Katie Nailer.

ATU MakerSpace is a pioneering initiative that brings technology and creativity to secondary schools, inspiring students to consider science and technology as exciting career choices. Through engaging workshops and hands-on experiences, ATU Maker Space opens doors to a world of innovation and opportunity, bridging the gap between learning and real-world application. ATU Maker Space is part of the ATU Higher Education 4.0 project which is funded by the HCI under Pillar 3.

Main Concourse
Drop in - All Day

LEGO Quantity Surveying Workshop
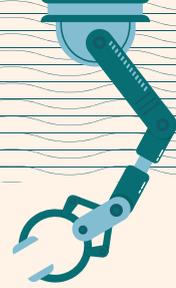
B1301

All Day Drop In

Get hands-on with the world of building and design at our LEGO Quantity Surveying Workshop! This fun, drop-in session invites children and families to explore how buildings are planned, measured and costed — using LEGO as their toolkit.

Guided by expert lecturers, participants will design and construct their own mini projects while learning how quantity surveyors help turn ideas into real-world structures. It's a creative, interactive way to discover the maths, planning and problem-solving behind the buildings we see every day — and perfect for curious minds of all ages.

Drop in anytime during the fair and start building

RISE@ATU Coastal Connectivity

Main Concourse
Drop in - All Day

This stand will showcase fun, hands-on activities for all ages that highlight the role of engineering in shaping our coastal regions.

Come along and see displays by:

Engineers Ireland North West
National Schools Engineering Projects An Garda Síochána
Sligo Bay RNLI

The Quiet Room B1086
A room for anyone who may need a quieter, smaller space to self-regulate or rest

The Sligo Engineering Fair is supported by Sligo Civil Defence

Sligo Engineering Fair Organisers sincerely thank Partners, Local Businesses and Community Groups for their support, including but not limited to:

Headline Sponsors

Providers and supporters

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