

Trinity Walton STEM Programme

emerald[®]
cultural institute
English Language • Professional Development

Emerald, in collaboration with the prestigious Trinity Walton Club, is delighted to offer a new and unique programme that allows students to enhance their STEM knowledge and skills while improving their English language.

Profile:

Trinity Walton Club was named after Ireland's first Nobel Laureate for Science, Ernest Walton (06 October 1903 – 25 June 1995). The Club is a STEM (Science, Technology, Engineering and Maths) club based at Trinity College Dublin, where students connect with like-minded individuals and STEM role models.



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin



Trinity Walton Club

Students aged between 13-14 and 15-17 will join a STEM camp at Trinity Walton Club, in Trinity College Dublin. They will have the opportunity to expand their scientific vocabulary, as well as enhancing their problem-solving and critical thinking skills. Learners will work in teams alongside STEM experts and engage in activities such as designing mathematical functions; building micro controlled projects; having fun with Newton's laws of motion.



Tuition Hours:

Each week, students will enjoy 10 hours of STEM sessions and 10 hours of English tuition per week in the mornings. There will be two STEM-related workshops and activities per week in the afternoons. Additional afternoon activities and full weekend excursions will allow students to experience Irish life and culture.

Dates and Availability

This programme runs for two weeks on set dates in July and August. Please check our Price List for dates and contact the Institute for availability. The programme is open to both groups and individual students.

Levels:

Students must have a minimum level of Upper Intermediate (CEFR B2) in order to participate in the programme and will be required to take an English entry test before receiving the course confirmation. Should students not have the level required they will be redirected to an alternative course option.

Course Duration:

The programmes runs for two weeks on set dates.

Age group:

The programme is available for students aged 13-14 and 15-17.

Location:

Students will be accommodated in the Trinity Hall residence in Dartry Road. Accommodation is in single or twin en-suite rooms. Classes will take place on the Trinity College campus, in Dublin city centre. A transfer will be provided each day (Monday-Friday) from the residence to the city centre and back.

Trinity Walton STEM Programme



What is included in the STEM Programme fee?

20 hours of tuition per week (10 hours of STEM sessions and 10 hours of English tuition)

Use of textbooks and teaching materials

Emerald and Trinity Walton Diploma upon completion of course

Guided discovering Dublin tour on the first day

Activities every afternoon and evening, including two STEM related workshops and activities per week.

One full-day excursion every weekend to places of cultural interest

Welcome kit with guides and maps

Full-board residential accommodation with breakfast and dinner in the Trinity Hall residence and lunch (Monday-Friday) in Trinity College

Enrolment, registration and administration fees

Transport costs to and from school and to and from ECI activities where necessary

Supplements:

Return airport transfers – €150

Additional full-day excursions (includes transport, guide and entrance fees) – from €45 per trip

Weekend two-day trip (as above, also includes half-board accommodation) – from €160 per trip, subject to a minimum number of participants

Weekend trip to the Aran Islands (as above, also includes boat trip) – from €175 per trip, subject to a minimum number of participants



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Sample programme

for 15-17 age group

Week 1	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.00 – 9.00		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
09.30 – 11.30	Arrival	Level test & Orientation	Physics – Waves and oscillations	English lesson	Engineering – Force analysis of bridges	English lesson	Visit to Birr Observatory
11.30 – 11.45		Break	Break	Break	Break	Break	
11.45 – 13.45		Maths – Solving & Creating Problems and functions	English lesson	Technology & Project Work – Coding and microelectronics	English lesson	11.45 – 12.45 Technology – Coding and microelectronics 12.45 – 13.45 STEM/Vocabulary quiz	
13.45 – 14.45		Lunch	Lunch	Lunch	Lunch	Lunch	
14.45 – 17.00		City Centre Orientation	Visit to Science Gallery	Visit to Dublinia	Sports (rock climbing, aerobics, swimming)	STEM Speaker Series –	
18.00 – 19.00	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner
Evening	Welcome and Ice-Breakers	Sports	Irish Music Evening	Treasure Hunt	Themed Disco	Movie Night	Challenge / Games Night

Week 2	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
08.00 – 09.00		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
09.30 – 11.30	Free Day	English Lesson	Technology & project Work – Robot build	English lesson	Maths – Number Theory	English lesson	Visit to Belfast and the W5 Musuem
11.30 – 11.45		Break	Break	Break	Break	Break	
11.45 – 13.45		Physics – Mechanics and Newton's Laws	English lesson	Engineering – Fluids and aerodynamics	English lesson	11.45 – 12.45 Technology – Robot test 12.45 – 13.45 STEM/Vocabulary quiz	
13.45 – 14.45		Lunch	Lunch	Lunch	Lunch	Lunch	
14.45 – 17.00		Liffey Cruise & free time for shopping	Visit to Zoology Museum	Sports (rock climbing, aerobics, swimming)	Visit to National Gallery	Presentation of Projects	
18.00 – 19.00	Dinner	Dinner In City Centre	Dinner	Dinner	Dinner	Dinner	Dinner
Evening	Table Quiz		Karaoke Evening	Magic Show	Themed Disco	Movie Night	Challenge / Games Night