emerald cultural institute

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

AFS Intercultural Programs

eil Intercultural Learning

STEM at Trinity College Dublin, Ireland Summer 2019

14th July – 28th July 2019

(Students aged 13- 17 years old)

What do Oculus Rift, The Eternal Candle and 3D computer-generated images of a patient's skin have in common ?

Ireland's Trinity College Dublin is based in the heart of Dublin city where Facebook, Google and Amazon have made their homes.....

If you are interested in Science, Technology, Engineering and Maths (STEM) and you would like to improve your English and travel to Ireland for a challenging and fun STEM experiences that sparks curiosity, fuels exploration and ignites innovation – this programme is an opportunity for you!

Engineering Maths Science Technology

You can join the STEM camp at Trinity Walton Club, and join the many international students who are passionate about STEM subjects and English.

During the camp you will expand your scientific vocabulary, as well as enhance your problem-solving and critical thinking skills. You will work in international teams alongside STEM experts and take part in activities such as designing mathematical functions; building micro controlled projects; and having fun with Newton's laws of motion.

The two weeks will also be filled with social and cultural activities, and you will make friendships with people from across the world.

Trinity Walton Club

Trinity Walton Club is a STEM (Science, Technology, Engineering and Maths) club based at Trinity College Dublin. At the Club, students connect with like-minded individuals and STEM role models and each day they are provided with an invigorating learning experience where they partake in a range of challenging STEM sessions and activities. Trinity Walton Club strives to support each student to reach their STEM potential and experience lots of Eureka! moments.

Ernest TS Walton

Trinity Walton Club was name after ETS Walton who studied Mathematics and Science in Trinity (1922-26) and obtained his Master's degree in 1927. After doctoral studies in Cambridge with Ernest Rutherford he collaborated with John Cockcroft to develop a particle accelerator to carry out the first artificial 'splitting of the atom' in 1932. He returned as a staff member to Trinity in 1934 and later became Professor. In 1951 he and Cockcroft were awarded the Nobel Prize in Physics.

Sample Programme

Week 1	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8.00 – 9.00	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9.30 – 11.30	Level test & Orientation	Physics session	English lesson	Engineering session	English lesson	Visit to Birr Observatory	Free Day
11.30 – 11.45	**Break**	**Break**	**Break**	**Break**	**Break**		
11.45 – 13.45	Maths session	English lesson	Technology and Project session	English lesson	Technology and Project session		
13.45 – 14.45	**Lunch**	**Lunch**	**Lunch**	**Lunch**	**Lunch**		
14.45 – 17.00	City Centre Orientation	Physics Activity	Sports	Engineering Activity	STEM Speaker Series		
18.00 – 19.00	**Dinner**	**Dinner**	**Dinner**	**Dinner**	**Dinner**	**Dinner**	**Dinner**
Evening	Treasure Hunt	Irish Music	Magic Show	Themed Disco	Movie Night	Challenge / Games Night	Karaoke

For further information regarding this program, your application and costs please contact your local AFS office. (www.afs.org)