

Trinity Walton STEM (Trinity College Dublin) and English Programme



This summer with Trinity Walton Club and Emerald Cultural Institute, join us on a camp where you will work in teams to build your STEM knowledge and skill, improve your English, as well as design smart solutions and devices that can enhance living in socially distant conditions.

Students are empowered to become active citizens - helping our society adapt to our “new normal” by designing and creating smarter ways of moving, communicating and working remotely. This unique virtual STEM programme will empower young learners to make a difference in the world around them, from their own homes.

Students will create and design smart devices to overcome the obstacles of our new socially distant lives and enhance our future living and well-being whether that be through physical and mental health, working and living.

- Gain key competences such as creative problem solving, critical thinking, design thinking and research skills
- Learn about recently developed devices and new software
- Work in teams alongside STEM experts
- Improve your English skills and discover Irish culture
- Opportunity to showcase your simulated devices
- Receive Emerald and Trinity Walton eDiplomas at the end of the course



- Programme duration:** 2 weeks (Monday to Friday)
- 10** hours of STEM sessions per week
- 5** hours of English group tuition per week
- Dates:** 6 – 17 July 2020, open to both groups and individual students
- Levels & age group:** 12-14, minimum level CEFR B1 and 15-17, minimum level CEFR B2

SAMPLE TIMETABLE	3 hours per day from Mon to Fri
Session 1(60 mins)	English lesson
Session 2(45 mins)	STEM Physics lesson
Session 3(45 mins)	STEM Engineering lesson
Session 4(30 mins)	STEM Flash Talks and discussion



Profile 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.

Profile Ernest TS Walton

Trinity Walton Club was named 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.