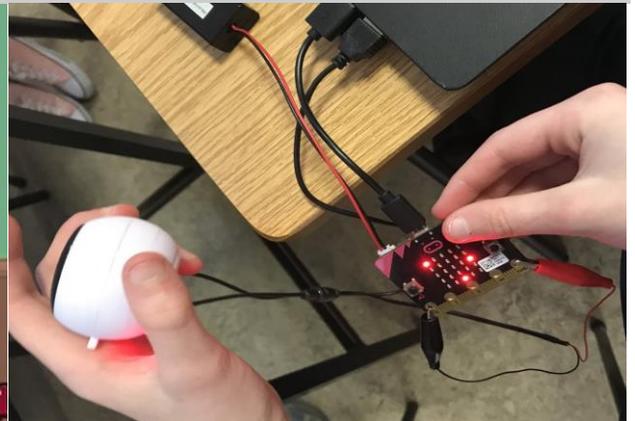


Certificate in Coding & Computational Thinking for Teachers



Limerick Institute of Technology are pleased to offer a Certificate in Coding & Computational Thinking for Teachers (Level 8, 10 Credit).

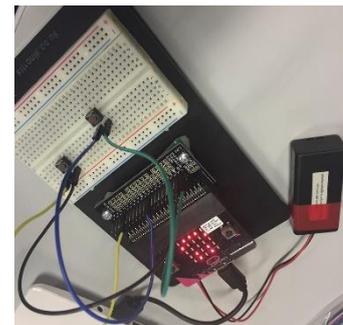
This course will provide you with the skills to deliver computing in schools in an educational, fun and engaging way, and it addresses the learning outcomes of the new Junior Certificate Short Course in Computing. It enables teachers to deliver that programme within their schools, or to implement code clubs. We also consider implementation in your school—the practicalities, technologies to use etc.

We will equip you to design and build:-

- Games using visual and text based languages
- Electronic based games and wearables using MicroBit Inventor Kit
- Mobile Apps using AppInventor
- Web based games using HTML/CSS/Javascript

This will be delivered as a blended programme, with online contact, weekly projects, discussion forums, workshops and guest lectures. The course will run from September to April.

For further information, contact us or see <http://flexiblelearning.lit.ie>



Teacher Testimonials

Ann, Tarbert Comprehensive School, Co. Kerry

"A very well thought out course covering four units covering mobile app development, web design, microbit electronics and python programming. We attended three or four times to LIT across the sixteen weeks, I was able to do almost all the learning online. I think I got very good value for the course fee. I enjoyed each module in turn, the lecturers were always accessible and really helpful. Just one word of warning - the advertised four hours of homework involved won't go very far if you're starting from scratch like me! I will be advising all my colleagues with even a passing interest in coding to follow my lead."



Linda , Littleton National School

"I really enjoyable course with fantastic new ideas, delighted to be introduced to coding in a fun way that children in primary school will relate to and be really excited to try out. Some brilliant new resources introduced and explored in a variety of ways either unplugged or online and also over a variety of levels suitable for beginners or the more advanced. "

Patrick, St. Anne's Secondary School, Tipperary Town

"I've developed a working knowledge of a wide range of computer programming languages, and the course provided us with a wealth of resources that I can take back to the classroom. The lecturers have been extremely encouraging and gone out of their way to be supportive. It has been a really positive experience overall."



Miriam, Coláiste Muire Co-Ed, Thurles

"This course showed us how to teach Computational Thinking and create an engaging class environment when teaching unplugged Computer Science. We learned of a number of key programming concepts and how they transfer across different programming languages, lecturers were very supportive and we had access to online videos to allow learning take place at a time that was convenient. By following the class materials and their logical progression, we created a working scheme of work based on the Junior Cycle Specification. While commitment is required, this is a worthwhile course and we have created practical resources we can now use in our classrooms."

Below some sample coding projects built by the teachers- class of 2018....



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