

APPLIED TECHNOLOGY

JCt4 Newsletter

Junior Cycle for Teachers

Junior Cycle for Teachers exists to inspire, support and empower teachers in the transformation of junior cycle education in Ireland.

2020/2021 CPD

The Applied Technology team are in the initial stages of design for the 2020/2021 CPD workshop that will be facilitated in the next school year. The team have extracted key themes from the feedback provided by teachers after this years CPD workshops. Some of the themes that will feature heavily in this new workshop are Classroom-Based Assessments, Subject Learning and Assessment Review meetings and creating learning intentions. The Applied Technology team look forward to supporting you further as you implement the specification in your classroom.

Keep in touch

Three ways to keep up to date with the JCt4 Applied Technology team are:

Visit our webpage:



www.jct.ie/technologies

Follow us on Twitter



[@JCt4ed](https://twitter.com/JCt4ed)

Join our mailing list



[Mailing list](#)

All materials and resources from previous CPD workshops are available on www.jct.ie in the Technologies section.

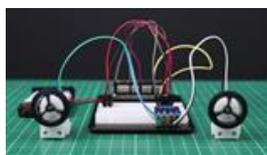
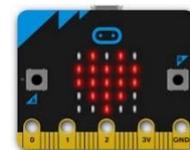
Welcome

Welcome to the fourth issue of the JCt4 Applied Technology Newsletter. Schools are now nearly half-way through the school year. The team look forward to meeting you in our elective CPD workshops again in the coming months. There will be two more chances to engage with the Applied Technology team in the elective space

between now and the end of this school year through webinars and elective CPD. The Technologies team are also working with industry partners to develop exciting elective workshops in idea generation and sketching. A reminder that the Applied Technology specification and the Applied Technology Guidelines for Classroom-Based Assessments can be found here: [Junior Cycle Applied Technology Specification](#) and click here for the NCCA: [Assessment Guidelines for Classroom Based Assessments](#)

Elective CPD in Problem Solving through Coding, Applied Control and Mechatronics

Elective CPD will be available in multiple Education Centres across the country during the weeks of the 24th of February and the 2nd of March. It will be a follow-on workshop from that of our colleagues on the Engineering team. We are providing a workshop in Problem Solving through Coding, Applied Control and Mechatronics. This workshop is designed to support teachers who have a basic understanding in problem solving using micro:bit. Teachers will problem-solve using a range of inputs and outputs such as switches, sensors, motors and Light Emitting Diodes (LEDs). Teachers will also explore the use of some expansion boards that could be used in project work. In order to engage fully with the upcoming Applied Technology elective workshops, participants will need to bring a fully charged Wi-Fi enabled laptop with a USB port and an external mouse. This will be required to engage with an applied control activity as part of the workshop. The workshops will take place in the following Education Centres:



Drumcondra Education Centre	25/2/2020
Athlone Education Centre	25/2/2020
Cork Education Support Centre	26/2/2020
Dublin West Education Centre	2/3/2020,
Sligo Education Centre	2/3/2020
Kilkenny Education Centre	3/3/2020

Please contact the Education Centre you wish to attend to sign up for the workshop.

Webinar

The Applied Technology team will host a webinar entitled *Exploring a design brief/problem – Where do I start?* This will take place on the 1st of April 2020 at 18:15. The webinar will focus on the discovery stage of researching a design brief or problem. We will explore a range of strategies to support students so that they might better understand a design brief/problem and discover the possibilities within.

A recording of the webinar will be available on our [website](#) together with last year's webinar around planning using learning outcomes. During the webinar teachers are encouraged to ask questions and engage with the Applied Technology specification. Follow us on twitter or join the mailing list to keep up to date with webinar details.



STE(A)M

The Jct4 Applied Technology team are delighted to be involved in the JCT STE(A)M initiative. Elective workshops are taking place up and down the country in this space. The workshops are based mainly in Education Centres and take place on Saturdays from January 18th to April 25th. The workshops will be practical based and will give Applied Technology teachers opportunities and new perspectives on how to help students engage with learning outcomes. For more information on what the electives are covering click [here](#).

More information on these electives and the STE(A)M initiative to date follow the STE(A)M group on [Twitter](#) @JCTSteAm, email: steam@jct.ie or join the STE(A)M [mailing list](#)

CPD 2019/2020

The Applied Technology team completed our CPD workshop 2019/2020 in December 2019. We met over 300 Applied Technology teachers throughout this time. We created success criteria, we had a discussion about the quality of student learning using the success criteria, problem solving using micro:bit and also engaged with the Applied Technology Guidelines for Classroom-Based Assessment. You can find the CPD materials used on the day [here](#).



In the news

In this section of the newsletter we will look at current news stories that may be relevant in the Applied Technology classroom. CES 2020 (Consumer Electronics Show) has just taken place in Las Vegas. At this global event the latest in technology innovation is displayed and also announced. It is the most anticipated technology show in the world and has provided companies an



opportunity to show off some major new innovations throughout the years. This year some of the biggest announcements were a water filtration system for your home that will renew bathwater, new smart home technology, Ballie by Samsung, which is your new smart companion that will follow you around your home and alert your smart appliances to do things for you as it sees fit, amongst many many more items. For more info click [here](#).

By using the CES show as a resource or stimulus, students could engage with possible learning within learning outcomes: 1.5, 1.6, 2.6, 2.10, 3.3, 3.4, 3.8, 3.9

The Applied Technology team are looking forward to seeing you at upcoming elective CPD workshops in Education Centres across the country.

Kind Regards,

The Jct4 Applied Technology team

