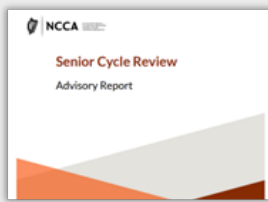# APPLIED TECHNOLOGY

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.

Senior Cycle Review Advisory Report

The Senior Cycle Advisory Report outlines the Purpose, Vision and Principles of Senior Cycle, and outlines priorities, sequence of work and next steps for the process that lies ahead. To read the report click on the image above or click here.

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:

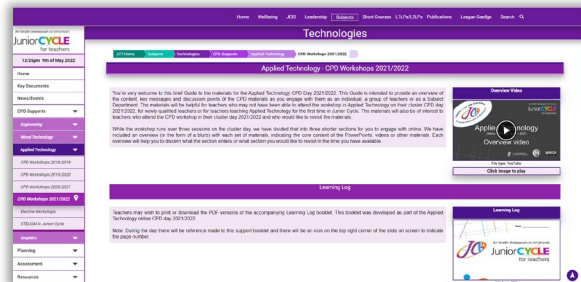@JCt4ed

Join our mailing list:

Mailing List

Welcome

Welcome to our eleventh issue of the JCt4 Applied Technology Newsletter. As we approach the end of the school year, we hope this newsletter finds you and your family safe and well.

The JCt4 Applied Technology team are currently engaging in the design of our CPD day 2022/2023, and we look forward to meeting you in the next school year. In the meantime, there is a range of supports available in the Technologies' section of our website www.jct.ie.

CPD Workshop 2021/2022

We would like to thank all the Applied Technology teachers that engaged with our online CPD workshops. We met 322 teachers from across the country during our online CPD workshops.

All support material used on the day is available under: CPD Supports Applied Technology – CPD Workshop 2021/2022.

Problem-Solving Electrical Control in Applied Technology

In response to teacher feedback, the Applied Technology team has developed a problem-solving through electrical control resource that teachers engaged with during their online CPD workshop. This resource is designed to support teachers in developing understanding and skills to problem-solve circuit-related faults that can occur in Applied Technology project work. This resource will enable you to support your students in your context. This resource is available on our website here or by clicking on the image above.
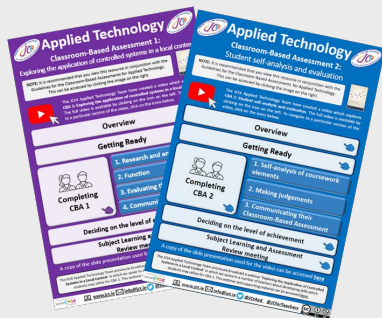
Spring Webinar

In April 2022, we held a webinar and explored how elements of a design journey come to life in Applied Technology. During this webinar, attendees considered the different strategies used by three teachers to support students as they engage with different elements of a design process in their own school context. The three teachers focused on three of the Junior Cycle Key Skills: Communicating, Being Creative and Managing Information, and Thinking. To watch this webinar click on the image above or click here.
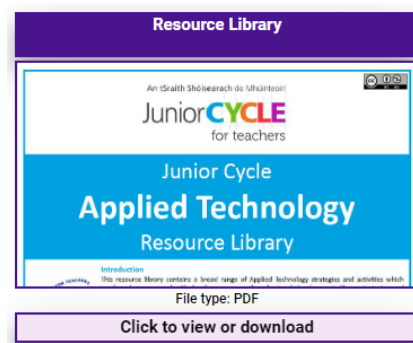
Assessment Supports CBA 1 and CBA 2

The Applied Technology Team have designed resources in the area of Classroom-Based Assessment 1: Exploring the application of controlled systems in a local context and Classroom-Based Assessment 2: Student self-analysis and evaluation. These resources have been designed as a support for Applied Technology teachers as their students engage with either of the CBAs. These resource can be accessed by clicking on the image or links above or here.

Applied Technology Resource Library

The Applied Technology team has compiled a library of resources that we created since the 2018/2019 academic year. The library features many useful strategies and possible learning experiences that could be adapted for different contexts. This resource is available on our website here or by clicking on the image above.

In the news

The first large-scale ground mounted solar farm to supply electricity to the Irish grid has been opened near Ashford in Co Wicklow and is now operational.

Millvale solar farm covers 25 hectares of land. The 33,600 solar modules have a generation capacity of 8 megawatts of green electricity. That is enough to power approximately 3,600 homes every year. It is estimated that this solar farm will prevent 4,800 tonnes of greenhouse emissions.

Website Link:

https://www.rte.ie/news/ireland/2022/0429/1295115-solar-farm/

The article above can be used as a resource or stimulus to explore emerging technologies and their impact on society. Some possible learning outcomes that students can engage with using this resource include: 1.6, 2.6, 2.7, 2.10, 3.2, 3.3, 3.4, 3.5, 3.8, 3.9.

Finally, the JCt4 Applied Technology team would like to thank all teachers for engaging with our CPD workshops, electives, and support materials throughout the year. We look forward to supporting you in the next school year and we hope that you have a restful break over the summer holidays.

Kind Regards,
The JCt4 Applied Technology Team