Wood Technology

JCt4 Newsletter Spring 2020

Junior Cycle for Teachers

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

Webinar

Introducing the craft of bending and lamination through a student design task

The focus of this webinar will be the introduction of the craft of bending and lamination through a student design task. An interdisciplinary approach will be used to integrate all three strands in the teaching and learning associated with this discipline.

During this webinar attendees will experience:

• The planning associated with generating a unit of learning on laminating
• Samples of student work
• Teacher testimonial outlining their own reflections on the classroom activities

The webinar will broadcast on March 30th at 7.30pm.

You can register for the webinar by clicking on or scanning the QR-code.

Welcome

Welcome to our Spring issue of the JCt4 Wood Technology newsletter. To date this year, we have engaged with over 900 teachers through the subject cluster workshops. The cluster workshops will continue until March 12th. You can access the materials/information from the 2019/2020 CPD workshops here. If you would like to view any information from 2018/2019 CPD workshops you can access it here.

Elective Workshop for teachers of Wood Technology
'Get your World Turning'

Experience exciting ways of creating turned artefacts in the Wood Technology classroom. Experiment with the craft of wood turning with an emphasis on using the natural properties and aesthetics of wood to create artefacts of value. Participants will experience a range of specialised turning techniques including segmented turning, laminated turning, off-centre turning and others. The natural properties of wood will be explored along with an insight into the unique process of self-spalting of timber.

As spaces are limited, we would request that the school Principal (or his/her nominee), rather than individual teachers, submit the online registration on www.jctregistration.ie

Graphics CAD Electives

The JCt4 Graphics team are delighted to announce a series of workshops exploring the use of some cloud-based CAD packages in the Junior Cycle Graphics classroom.
Workshop One in Spring 2020 will focus on exploring cloud-based CAD packages as a teaching and learning tool. Software packages that will be explored in this workshop will include Tinkercad and SketchUp, amongst others. Attendees are asked to bring a Wi-Fi enabled laptop, ideally with an external mouse for CAD use. This elective workshop takes place on a regional basis and will be hosted by Local Education Centres.
Dates and venues can be found here

The JCt4 Wood Technology team continue to be involved in the JCT STE(A)M initiative. These workshops investigate how real-life problems could be solved by taking an interdisciplinary approach.

STE(A)M elective workshops are currently being rolled out with Industry partners for the school year 2019/2020. The theme for this years' workshops is 'Solution Generation'.
The world is changing at a rapid pace. In order to respond to the emerging challenges of our future, we need to empower our young people to think, choose and innovate in ways that will enhance and sustain our lives, communities and world, now and into the unknown tomorrow.

Click here to view workshop details and registration.

Contact: steam@jct.ie

Keep up to date with the Wood Technology team

Visit the Wood Technology section of www.jct.ie where you have access to all our resources and material used on CPD day 2018/2019, and the webinar material. Additional resources are in development and will be uploaded here in due course.

Join our mailing list here to keep up to date with all of the JCt4 subjects.

Follow us on twitter:
@JCt4ed

National Tree Week

National Tree Week runs from March 21st to 27th March this year. To celebrate Tree Week JCt4 are running a design initiative to celebrate trees, as the rationale in the Wood Technology specification reads: *'one of our key natural resources'*

'The sustainable use and management of this natural resource is important as the world faces the challenges of the 21st century. From habitats to construction or recreation to oxygen creation this resource can play a significant role in wellbeing of our planet'

Wood Technology Specification page 4

As part of this initiative students are asked to design an artefact that celebrates how forests and trees contribute to the enhancement of both our environment and wellbeing.

Your design response may include the following:
- Research/background information that will support your idea
- Sketches/drawings to communicate your design solution
- Your response must be presented on a single A3 sheet

Please submit entries to mailto:jct4competitions@jct.ie by Friday March 20th

Wood Technology in the news!

We are constantly on the lookout for news articles and websites which may be of interest to our students studying Wood Technology. The links below may provide a lead into some interesting activities around the following learning outcomes:

1.11 *investigate the environmental impacts of using wood as a natural and renewable resource*

3.2 *evaluate the characteristics and properties of common species of trees*

3.10 *appreciate the role of forestation and wood in terms of local/global ecology and sustainability*

3.12 *consider the impact on the natural environment when sourcing materials*
wood.ie
https://www.theworldcounts.com/stories/Deforestation-Facts-for-Kids
https://crann.ie/

The Wood Technology team would like to wish you all the best for the remainder of this academic year as you implement the Wood Technology specification in your classrooms.

Kind regards
The JCt4 Wood Technology team