

Engineering

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.



2021/2022 CPD

The Engineering team is in the advanced stage of design for the 2021/2022 CPD workshop that will be facilitated in this academic year. The team has extracted key themes from the feedback provided by teachers after last year's CPD workshops. We look forward to seeing you in January for our online delivery of CPD and hope to further support you in implementing the specification in your classroom.

Hands-On Podcast Channel

Just a reminder that we have our own podcast channel on Soundcloud, which is available [here](#). These podcasts are intended to cover topics and areas of interest to our specifications. They will link the real world, industry and academia to our specifications. We intend to have a regular release of our podcasts in the coming months to add to our previous episodes.

Welcome

On behalf of the Engineering team, we would like to welcome you to the 9th edition of the Jct4 Engineering Newsletter, 'Autumn Edition 2021'. We hope that the summer break has helped you to recharge after a challenging academic year. As the new academic year begins, we want to remind all teachers that our dedicated Engineering advisors can be contacted from the [Meet the Team](#) tab on [jct.ie](#). Please do not hesitate to contact us should you have any queries or require further assistance in relation to the Junior Cycle Engineering Specification.

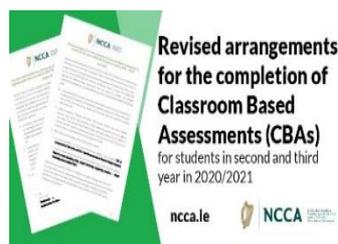
Our Engineering Team for 2021/2022

As we start our new year, there has been a change in our team. We would like to congratulate, and send our best wishes to, our former colleague Ignatius Dineen on his recent appointment as Deputy Principal in Bishop McEgan College, Macroom, Co. Cork.

Ignatius' departure has meant that we have a new team member Ciarán Callaghan. Ciarán joins us from Coláiste Dún an Rí, Kingscourt in Co. Cavan and is looking forward to the year ahead and supporting teachers as they implement the Engineering Specification.



Reminder about the Revised Arrangements for CBAs at Junior Cycle



The NCCA issued 'Revised arrangements for the completion of Classroom-Based Assessments for students in third year in 2021/2022'. A link to the document can be found [here](#). Whilst these arrangements for CBAs are only in place for this academic year, they outline some key dates.

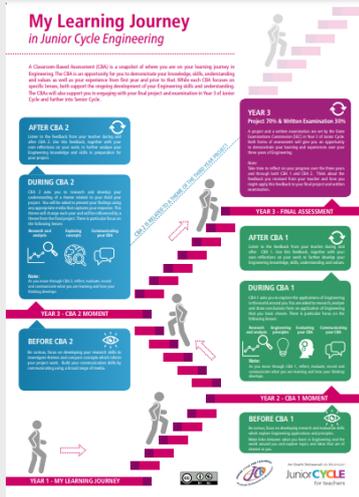
Revised Arrangements for Assessment at Junior Cycle



The Department of Education, have issued 'Assessment Arrangements for the Junior Cycle and Leaving Certificate Examinations 2022'. A link to the document can be found [here](#). These arrangements have implications for both the coursework and written components in our subjects that will be assessed by the State Examinations Commission in 2022. We recommend that you familiarise yourself with these arrangements for the academic year ahead.

Student Learning Journey

The Jct4 team has developed a series of posters for each of the suite of Technology subjects. This resource sets out key learning and assessment moments undertaken by students in Junior Cycle Engineering.



Written in student-friendly language, this resource will support students in understanding their learning journey throughout first, second and third year. This resource can be accessed in the Teaching and Learning, Classroom Supports in the Resources section of our website, click [here](#) for further details.

Further resources can also be found in the Assessment section of our website, click [here](#).

Communication



@Jct4ed

An tSraith Shóisearach do Mhúinteoirí
JuniorCYCLE
for teachers

www.jct.ie



Mailing List

Exploring Learning Outcomes Resource

The Jct4 Engineering team has created a resource that takes you through the entire planning process. In particular, it focuses on identifying learning within learning outcomes as well as focusing on creating units of learning. It gives an overview of how to use the digital planner and the some of the other resources that are available to plan effectively. There is a short video available [here](#). We also have a planning resource sheet, available [here](#). This page has links to all of the resources needed to support you when engaging with the planning process.

Engineering in the world around us

To develop the 'Engineering Mindset' and engage learners in the world of Engineering around them, we are constantly looking out for various articles, videos and support materials which may be useful as a stimulus in the classroom. The links below may provide a lead into some interesting activities supporting the following learning outcomes:



3.4 explore the application of systems in an engineering setting such as the classroom, home and industry.

3.5 investigate the impact of mechatronics on the environment and society.

3.11 justify their choice of the most appropriate system or systems for a specified purpose.

https://www.youtube.com/watch?v=o_xGLfvIXzc

<https://www.bbc.com/news/technology-57651843>

1.4 understand the properties associated with a range of engineered materials.

https://www.youtube.com/watch?v=Um_g8sQ_p3Y

News and Events

Continue to encourage your colleagues to sign up to Jct4 Engineering newsletter via the mailing list opposite. Watch our [news and events](#) tab within the Technologies' section of jct.ie and follow us on our Twitter page [@Jct4ed](https://twitter.com/Jct4ed). Please feel free to contact any member of the team with your queries via email. The email addresses can be found in the [Meet the Team](#) tab on the jct.ie homepage. Finally, we wish you every success in the year ahead and we look forward to meeting you again this academic year.



Kind regards,
The Jct4 Engineering Team