

## Welcome

Welcome to the latest issue of the JCT Mathematics Newsletter. Since the last issue we have hosted several online events and have had the opportunity to meet with many of you via webinars, shared learning events, and more recently during online cluster events. In this newsletter we would like to share some of the highlights with you.

## Elective CPD and Shared Learning Events

The JCT Mathematics Team hosted several online events throughout the first school term. The online events included shared learning events where teachers came together to share practice and experiences from their classrooms. We also held a shared learning event 'as Gaeilge' where teachers had the opportunity to engage in a community of learning with other Maths teachers teaching through Irish. Our webinars were also successful in sharing insights into several aspects of Junior Cycle Mathematics. A brief description of each of the events are shown below. Recordings of our webinars can be found on the tab for webinar series [here](#).

### Teaching in a Physically Distanced Mathematics Classroom

Led by teachers, this online learning event shared experiences of teaching in a physically distanced classroom. Teachers shared advice and strategies including asking students to record their work with a voice over explanation of their thinking, giving digital feedback and highlighting what was working for maths departments in the current school context.

### Task Selection and Problem-Solving in Mathematics

During this webinar Dr Paddy Johnson (University of Limerick) discussed selection criteria for mathematical tasks and activities which develop students' ability to problem-solve.

**JCT Mathematics Online CPD Programme**  
An tSraith Shóisearach do Mhúinteoirí  
Junior **CYCLE**  
for teachers

**15 October 2020**  
6:30pm  
**Teaching in a Physically Distanced Mathematics Classroom**  
An online shared learning event, led by teachers, to share experiences of teaching in a physically distanced classroom. Register [here](#).

**10 Samhain 2020**  
7:00pm  
**Comhroinnt Eispéiris agus Acmhainní**  
Océaid foghlama roinnte, ar líne, faoi stiúir múinteoirí, chun eispéiris agus acmhainní do theagasc na matamaitice trí Ghaeilge a roinnt. Cláraigh [Anseo](#).

**01 December 2020**  
6:30pm  
**Sharing Experiences and Resources**  
An online shared learning event, led by teachers, to share experiences of lesson design and enactment. Register [here](#).

**03 November 2020**  
6:30pm  
**Task Selection and Problem-Solving in Mathematics**  
During this webinar Dr Paddy Johnson (University of Limerick) discusses selection criteria for mathematical tasks and activities which develop students' ability to problem-solve. Register [here](#).

**17 November 2020**  
7:00pm  
**Preparing for Classroom-Based Assessment 2 (Statistical Investigation)**  
This webinar focuses on preparing for classroom-based assessment 2, and using formative feedback to support students' learning during the statistical investigation. Register [here](#).

Further resources and information available at [www.jct.ie/maths](http://www.jct.ie/maths)  
Follow us on Twitter @JctMaths  
Join our mailing list [here](#)

## Comhroinnt Eispéiris agus Acmhainní

Ócáid foghlama comhroinnte, ar líne, faoi stiúir múinteoirí, chun eispéiris agus acmhainní do theagasc na matamaitice trí Ghaeilge a roinnt.

## Preparing for Classroom-Based Assessment 2 (Statistical Investigation)

This webinar focused on preparing for Classroom-Based Assessment 2 and using formative feedback to support students' learning during the statistical investigation.

## Sharing Experiences and Resources

An online shared learning event, led by teachers, to share experiences and reflections on Classroom-Based Assessment.

## Online Cluster Delivery 2020-2021

We are currently facilitating the 2021 online cluster day using the Zoom platform. It includes:

- an exploration of assessment items and associated learning outcomes
- the relationship between learning and assessment
- further reflection on classroom-based assessment

The afternoon session provides a choice between:

- planning
- inclusive practices and L2LP
- question posing

Ahead of the cluster day, you may like to have the booklet downloaded which can be accessed by clicking on the image.



## Second Teaching Subject Supports 2019-2020

We have repurposed the 2019-2020 CPD to make it suitable for online engagement. The booklet, recordings and associated resources are available [here](#).

## Our Podcast Series Continues...

**PODCAST**

# Tangents

**A JCT Mathematics Team Podcast**

## Episode 5

**Dr Aibhín Bray** is an Assistant Professor in Mathematics and leader of the mathematics strands in the School of Education in Trinity College. Her research investigates post-primary mathematics education, active learning, pedagogies and approaches to supporting key skill development, collaborative teaching practices and widening participation. Aibhín has previously worked as the co-ordinator of research for Trinity Access.

**Claire Cooper** is a Teacher Fellow with Trinity Access where she supports schools and teachers in developing a community of practice, innovating pedagogy and sharing ideas through [thestaffroom.ie](#). Her role has a focus on Leadership and Learning as well as the School of Distinction award programme. Claire is on secondment from Ardscoil La Salle, where she teaches Maths and English.

**In this episode we talk with Claire Cooper and Dr Aibhín Bray**

From the **Junior Cycle Talks** podcast channel available on **SoundCloud, Spotify, Apple Podcasts, Castbox, Google Podcasts**

An tAth Shóisearach do Mhúinteoirí  
**JuniorCYCLE**  
for teachers

Tangents is a JCT Mathematics Team podcast series that is available on the Junior Cycle Talks podcast channel. The series continues with a conversation with Claire Cooper who works on the Trinity Access Programme (TAP) and Dr Aibhín Bray of Trinity College Dublin (TCD) about active learning pedagogies, technology in the classroom and the Bridge 21 programme. You can listen to the podcast [here](#).

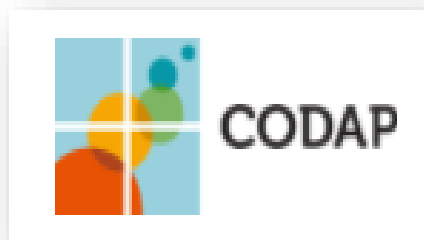
New podcasts in both English and Irish are planned for the near future. To be sure you don't miss the next episode, subscribe to the Junior Cycle Talks channel on SoundCloud, Spotify, Apple Podcasts or anywhere you listen to your podcasts and follow us on Twitter!

## Tacaíocht le h-aghaidh múineadh trí mhéan na Gaeilge

Tá líon na n-acmhainní Gaeilge ag méadú an t-am ar fad. Tá acmhainní nua á gcur ar ár suíomh gréasáin go leanúnach. Sampla amháin is ea an leabhrán tascanna ina bhfuil raon leathan tascanna saibhre is féidir a úsáid le scólaire. Is féidir leat teacht ar an leabhrán [anseo](#).

## CODAP

CODAP is a free data analysis platform that can be used for the teaching and learning of statistics and other areas of mathematics. CODAP allows students to explore real life data in an intuitive way.



In our online cluster day, one teacher shares how he is using CODAP to engage his students with real-life data and describes how it enables students to develop their understanding of statistics, the relationship between dependent and independent variables and other aspects of data analysis. If you would like to access CODAP you can click on the icon.

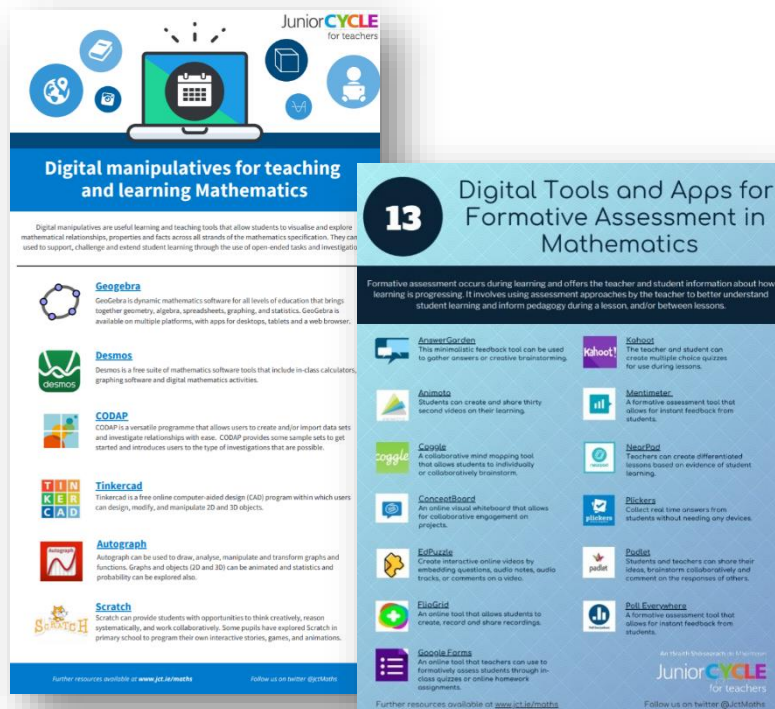
A series of screencasts on CODAP have been recorded by the JCT Mathematics Team and can be accessed on <https://jct.ie/maths/resources.php#AnIntroductiontoCODAP>

## Digital Learning Resources

We continue to add to our bank of digital learning resources on our website. Two recent additions include interactive posters on:

- digital tools for formative assessment
- and digital manipulatives

Click on the posters to access these resources.



## Keep in Touch

There are numerous ways to keep in touch with the JCT Mathematics Team:

1. Join our [mailing list](#)
2. Follow us on twitter [@JctMaths](#)
3. Visit our webpage [www.jct.ie/maths](http://www.jct.ie/maths)

Kind regards,

The JCT Mathematics Team

