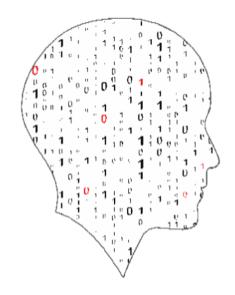






National Workshop 3

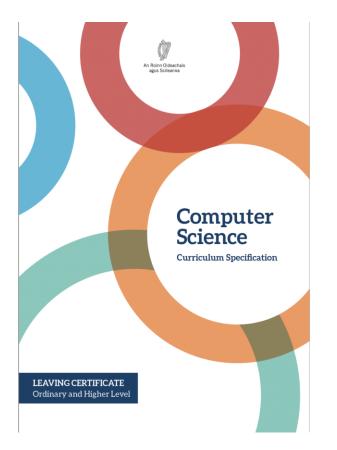






Session 3

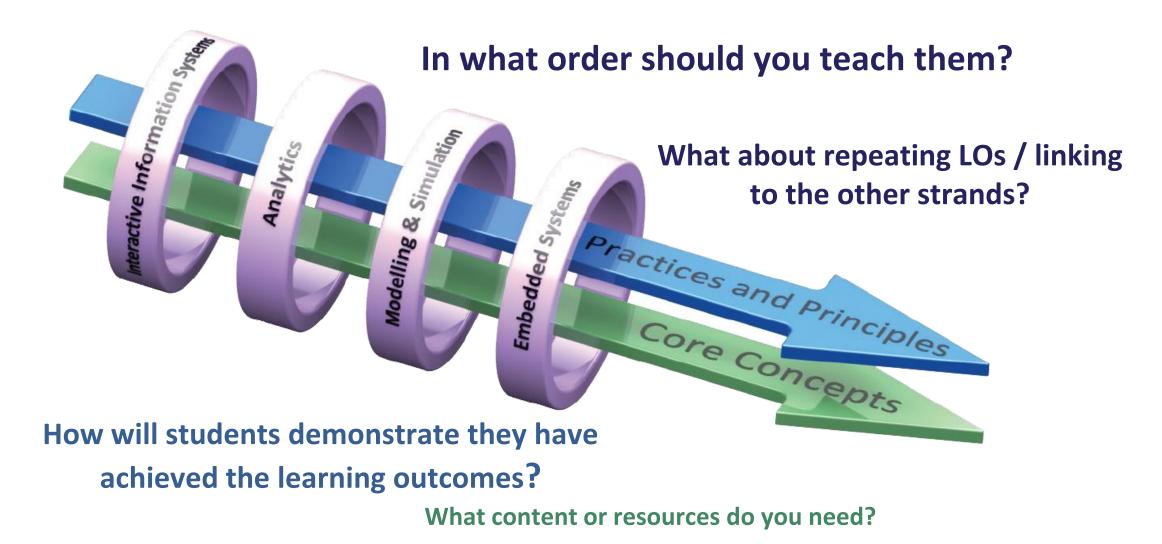
Curriculum planning



'Learning outcomes can best be defined as statements of what a learner **knows, understands** and is **able to do** after completion of learning.'

CEDEFOP (2009)

What will you do with LOs?

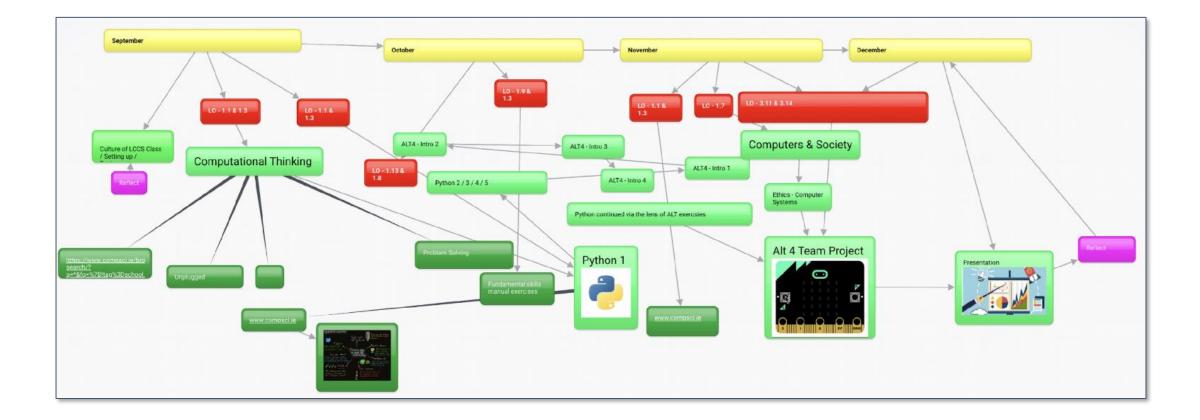


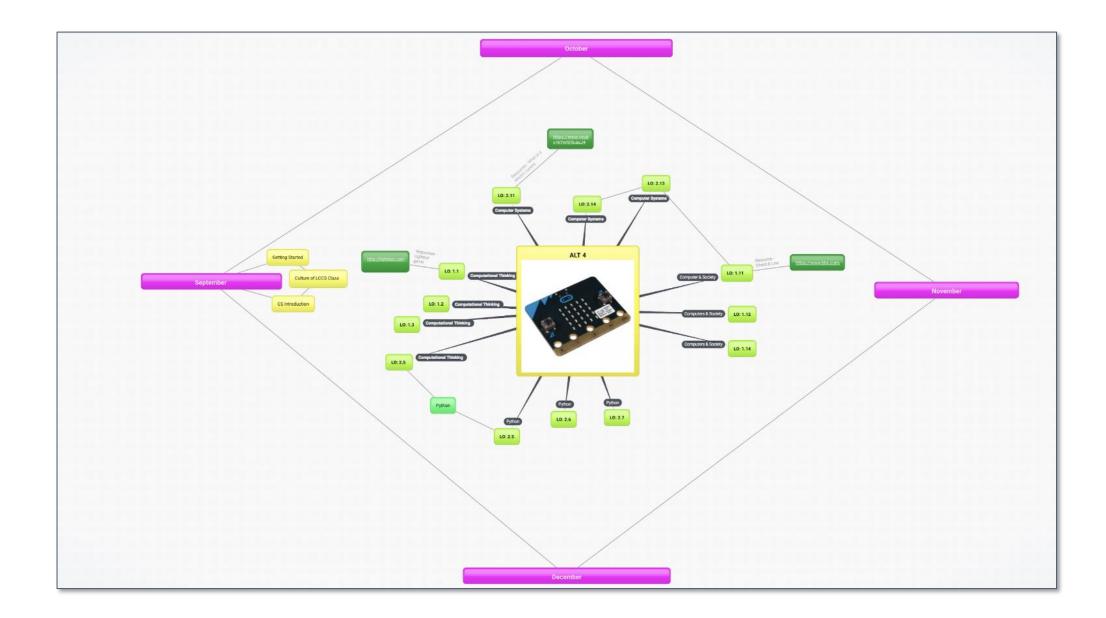
Key Message to remember:

Explore and teach the LOs through the lens of ALTs.

There are several ways to achieve this.







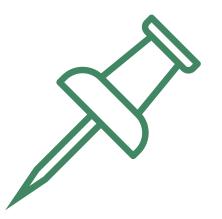




Group Activity



Develop a curriculum map for January to April Focus on ALT2



Key Message to remember:

Explore and teach the LOs through the lens of ALTs.

There are numerous ways to achieve this.

Group Activity - Instructions

- 1. Have a copy of the LCCS specification to hand.
- 2. In the Chat, click on the link to the Google doc.
- 3. In the Google doc, click on the link to the Bubbl.us diagram corresponding to your breakout room number.
- 4. Develop a detailed curriculum map for January to April ALT2
- 5. Work in your group and consider...

Topics / LOs / Resources / Assessment / Build up to ALT2 / ALT2 / Equipment etc.

6. Present back to the wider group.

What will you do with the LOs for ALT2?

In what order should you teach them?

What about repeating LOs / linking to the other strands?

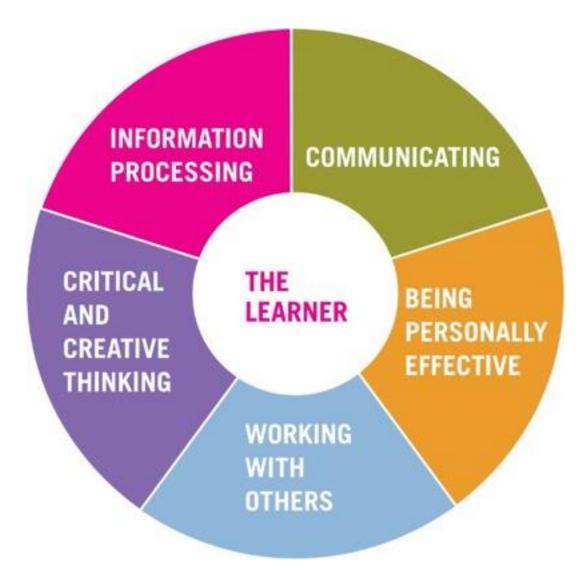
How will students demonstrate they have achieved the learning outcomes?

What content or resources will you need?

What can you include for Ordinary Level students?

Are there any considerations you should make for your students with SEN?

What about differentiation and extension of tasks?



Key Skills of Senior Cycle

LCCS Specification: p12



What LOs will your students experience?

Are there links to the other

strands?

What learning experiences will help your students to achieve these LOs?

What did you find challenging about this task?



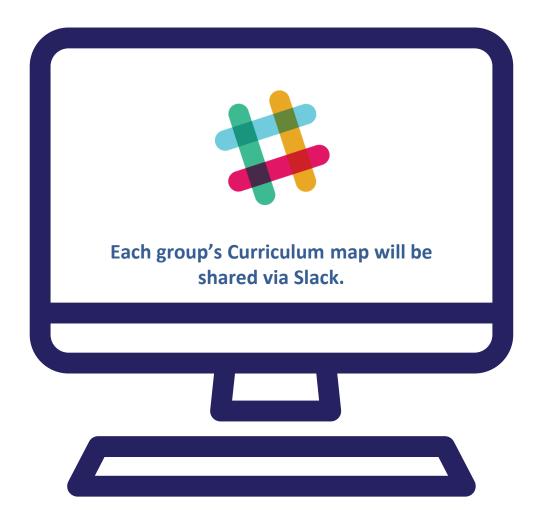
Why did you make these

decisions?

Where do you want to be in September 2022 in terms of the course?

How was your thinking extended in relation to curriculum planning?

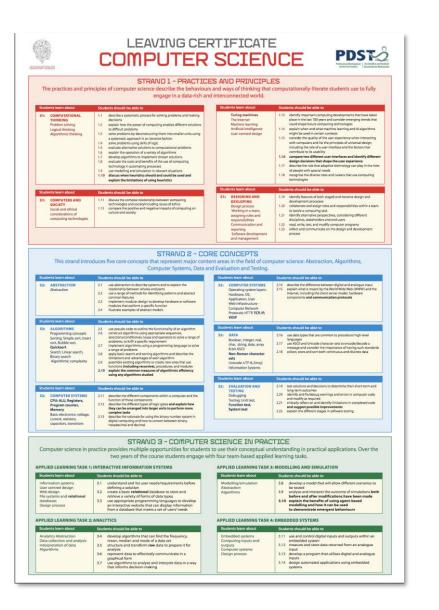
In what way will you teach the LOs through the lens of the ALTs?





LCCS Promotion in your school







PDST LCCS Posters – LOs & CS for Everybody

LCCS Information Videos



In September 2019, six phase 1 schools, in conjunction with NCCA, created videos to inform and advise schools starting out on Leaving Certificate Computer Science in the national rollout. The videos are intended for students, teachers and principals. They are also suitable for informing the school community about the subject in general and also about a particular main theme indicated below.

School	Sector	Main Theme
Abbey Vocational School, Donegal	ЕТВ	Student Voice (Real world applications)
Coláiste Bríde, Dublin	Voluntary Secondary	How CS changes your thinking
Coláiste Na Ríochta, Kerry	ЕТВ	Making CS work for your school
Mount Temple Comprehensive, Dublin	Community and Comprehensive	How CS changes your thinking
Presentation Secondary School, Tipperary	Voluntary Secondary	Computer Science - beyond coding
St. Eunan's College, Donegal	Voluntary Secondary	Classroom Collaboration

https://ncca.ie/en/senior-cycle/curriculum-developments/computer-science



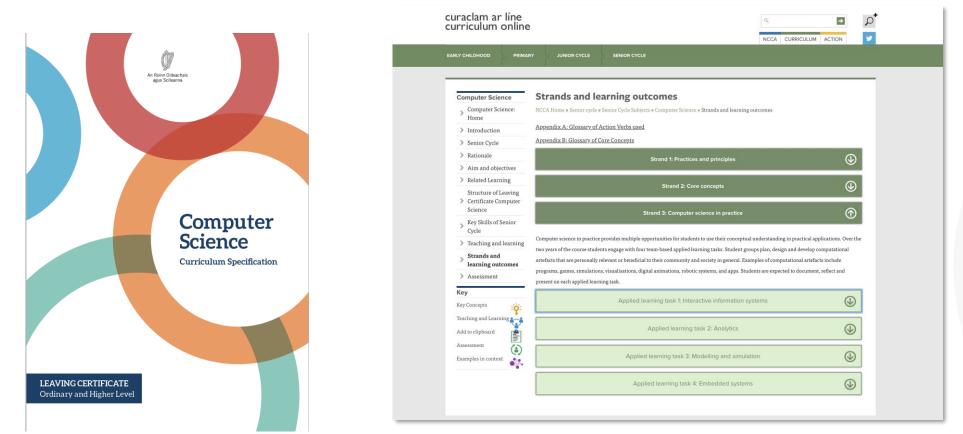


https://www.ncca.ie/media/3261/lccs-information-brochure.pdf









https://www.curriculumonline.ie





worldometer













airbnb







Data Science Communities

IBM Data Science Community - <u>https://community.ibm.com/community/user/datascience/home</u>

Open Data Science - <u>https://ods.ai/</u>

Data Science Central - <u>https://www.datasciencecentral.com/</u>

Driven Data - <u>https://www.drivendata.org/</u>

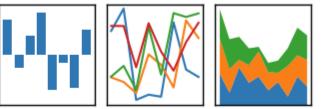






Analytics Toolkit

pandas $y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$



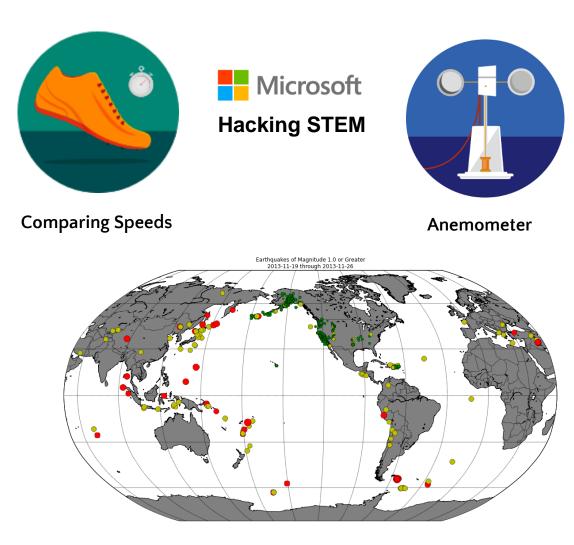








Useful Tutorials



http://introtopython.org/visualization_earthquakes.html

https://realpython.com/tutorials/data-science/



Pythonic Data Cleaning With NumPy and Pandas Mar 26, 2018 State-science intermediate



Real Rython

The Ultimate Guide To Speech Recognition With Python

Mar 21, 2018 Sadvanced data-science machine-learning



Python Plotting With Matplotlib (Guide) Feb 28, 2018 Statistics data-science



Python for Social Scientists W data-science python





Using Pandas to Read Large Excel Files in Python Analyzing Obesity in England With Python basics data-science



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