



Professional Development Service for Teachers | An tSeirbhís um Fhorbairt Ghairmiúil do Mhúinteoirí



An tAonán Oideachais agus Scileanna  
Department of Education and Skills

## Microbit Elective 1



LEAVING CERTIFICATE  
COMPUTER SCIENCE

A decorative graphic consisting of two thick, curved lines. The inner line is blue and the outer line is green. They are positioned to form a large, irregular shape that frames the central text. The lines have a slight gradient and a soft shadow effect.

# Introduction to Micro:bit

Skills Workshop

19<sup>th</sup> & 26<sup>th</sup> September, 2020

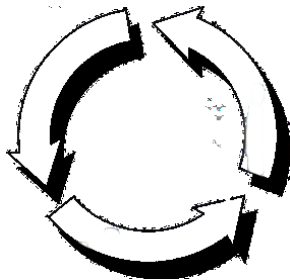
# INTRODUCTION



Skills Focus



Design and Constructs



Pedagogies Modeled



No prior knowledge

# PURPOSE OF THE DAY

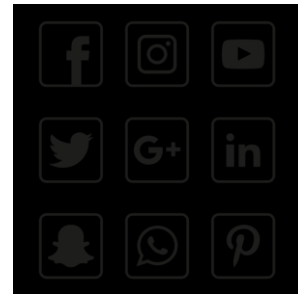


To explore with teachers  
Computer Science as a discipl

To empower teachers to draw upon a range of  
pedagogic approaches appropriate to the teach  
of LCCS.

To continue to explore the concept of a nonlinear  
approach to facilitate the teaching and learning of the subje

# PURPOSE OF THE DAY (CONTINUED)



To highlight and promote the role of Digital Technologies in the teaching, learning and assessment of LCCS.

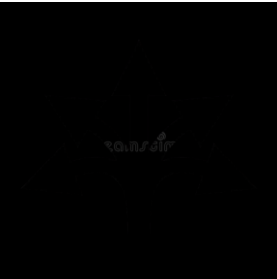


To provide a platform for teachers to work, learn and grow in this area .

To stress the importance of group work and group dynamics in the teaching, learning and assessment of LCCS.



# KEY MESSAGES



There are many ways to use the LCCS specification.



LCCS can be mediated through a constructivist pedagogical approach.

**ALTs**

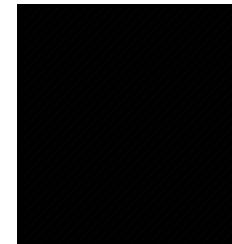
ALTs provide an opportunity to teach theoretical aspects of LCCS.



Group work is a key feature in the teaching, learning and assessment of LCCS.



Critical reflection will be a central component of the LCCS teacher's PD journey.



Digital technologies can be used to enhance collaboration, learning and reflection.

# SCHEDULE

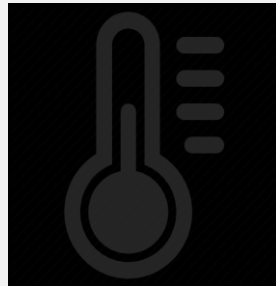
## Session 1 9.00-11.00

- Ice breaker
- Getting started
- Breakout - GAA scoreboard
- Re-group/reflect



## Session 2 11:20-13:00

- Recap challenge
- Branching out
- Breakout - Temperature Sensor
- Re-group/reflect



## Session 3 14:00-15:30

- Recap challenge
- More advanced features
- Breakout - Traffic lights
- Wrap up



# Trial and Error





# Additional Support

1. Screencasts of all tasks covered in workshop
2. NCCA videos
3. [CompSci](#) website
4. Micro:bit Discovery kit booklet
5. Opportunity to explore further at NW2