

Levels : First and Second

Duration: 60 mins

Maximum Number of Pupils: 33

What to Expect

The aim of this workshop is to develop digital skills and knowledge using project based activities and to increase awareness of careers within/using digital technologies. This workshop also highlights the relevance of digital skills in everyday life and encourages participants to engage with digital technologies as much as possible.

What is Covered

- Pupils will be introduced to the Digital Technology and its relevance in different fields such as farming, packaging industry
- Pupils will learn the importance of giving instructions to robots through "Draw a Crazy Character" activity
- Pupils will work in small groups to build and program LEGO bricks, using motorized LEGO models and simple programming

Curriculum for Excellence links

We have identified the Curriculum for Excellence experiences and outcomes to which this workshop can most significantly contribute:

First Level TCH 1-01a

I can explore and experiment with digital technologies and can use what I learn to support and enhance my learning in different contexts.

First Level TCH 1-09a

I can design and construct models and explain my solutions.

First Level
TCH 1-12a

I explore and discover engineering disciplines and can create solutions.

First Level
TCH 1-13a

I can explore and comment on processes in the world around me making use of core computational thinking concepts and can organise information in a logical way.

First Level
TCH 1-14a

I understand the instructions of a visual programming language and can predict the outcome of a program written using the language.

First Level
TCH 1-15a

I can demonstrate a range of basic problem solving skills by building simple programs to carry out a given task, using an appropriate language.

Second Level
TCH 2-01a

I can extend and enhance my knowledge of digital technologies to collect, analyse ideas, relevant information and organise these in an appropriate way.

Second Level
TCH 2-09a

I can extend and enhance my design skills to solve problems and can construct models.

Second Level
TCH 2-12a

I can extend my knowledge and understanding of engineering disciplines to create solution.

Second Level
TCH 2-13a

I understand the operation of a process and its outcome. I can structure related items of information.

Second Level
TCH 2-14b

I understand how information is stored and how key components of computing technology connect and interact through networks.

Second Level
TCH 2-15a

I can create, develop and evaluate computing solutions in response to a design challenge.