









Investigating and defining	Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems (ACTDIP004)	Define simple problems, and describe and follow a sequence of steps and decisions (algorithms) needed to solve them (ACTDIP010)	Define problems in terms of data and functional requirements drawing on previously solved problems (ACTDIP017)	Define and decompose real- world problems taking into account functional requirements and economic, environmental, social, technical and usability constraints (ACTDIP027)	Define and decompose real- world problems precisely, taking into account functional and non-functional requirements and including interviewing stakeholders to identify needs (ACTDIP038)
	F-2	3-4	5-6	7-8	9-10 (Elective subject)
Generating and designing			Design a user interface for a digital system (ACTDIPote) Design, modify and follow simple algorithms involving sequences of steps, branching, and iteration (repetition) (ACTDIPote)	Design the user experience of a digital system, generating, evaluating and communicating alternative designs (ACTDIP028) Design algorithms represented diagrammatically and in English, and trace algorithms to predict output for a given input and to identify errors	Design the user experience of a digital system by evaluating alternative designs against criteria including functionality, and accessibility, usability, and aesthotics (ACTDIP039) Design algorithms represented diagrammatically and in structured English and validate algorithms and programs
-				(ACTD(Deee)	(ACTDIP040)
Producing and implementing		Implement simple digital solutions as visual programs with algorithms involving branching (decisions) and user input (ACTDIP011)	Implement digital solutions as simple visual programs involving branching, iteration (repetition), and user input (ACTDIP020)	Implement and modify programs with user interfaces involving branching, iteration and functions in a general- purpose programming language (ACTDIP030)	Implement modular programs, applying selected algorithms and data structures including using an object-oriented programming language (ACTDIP041)
Evaluating	Explore how people safely	Explain how student solutions	Explain how student solutions	Evaluate how student solutions	Evaluate critically how
	use common information systems to meet information, communication and recreation needs (ACTDIP005)	and existing information systems meet common personal, school or community needs (ACTDIP012)	and existing information systems are sustainable and meet current and future local community needs (ACTDIP021)	and existing information systems meet needs, are innovative, and take account of future risks and sustainability (ACTDIP031)	student solutions and existing information systems and policies, take account of future risks and sustainability and provide opportunities for innovation and enterprise (ACTDIP042)
Collaborating and managing	Create and organise ideas and information using information systems independently and with others, and share these with known people in safe online environments (ACTDIPooe)	Plan, create and communicate ideas and information independently and with others, applying agreed ethical and social protocols (ACTDIPo13)	Plan, create and communicate ideas and information, including collaboratively online, applying agreed ethical, social and technical protocols (ACTDIPo22)	Plan and manage projects that create and communicate ideas and information collaboratively online, taking safety and social contexts into account (ACTDIPos2)	Create interactive solutions for sharing ideas and information online, taking into account safety, social contexts and lega responsibilities (ACTDIP043) Plan and manage projects using an iterative and collaborative approach, identifying risks and considering safety and sustainability (ACTDIP044)





What is a Makey Makey?

A Makey Makey is a circuit board that allows users to connect everyday objects to computer programs using alligator clips and a USB cable. The board uses closed loop electrical signals to send the computer either a keyboard stroke or mouse click signal.







































