

14	Lab 2	Complete lab to gain understanding of GPIO of the Discovery board/ARM microprocessor	13	STM32F407G-Discovery board on a Nucleo-F303RE development board	All	23/1/23	04/02/23	06/02/23	10/02/23	6/2/23
15	Lab 4	Complete lab to gain understanding of sound generation of the Discovery board/ARM microprocessor	14	STM32F407G-Discovery board on a Nucleo-F303RE development board	All	6/2/23	18/02/23	20/02/23	24/02/23	13/2/23
16	1 oscillator controlled by peripheral	Get a potentiometer to control an oscillator	15	Discovery board, potentiometer, wires, breadboard	Tom and Adam	13/2/23	25/03/23	27/03/23	03/03/23	13/2/23
17	2 oscillators controlled by peripherals	Get 2 potentiometers to control both oscillators	16	Discovery board, potentiometers, wires, breadboard	Tom and Adam	13/2/23	1/3/23	3/3/23	10/3/23	20/2/23
18	Shift register coded	Code the shift register	17	Discovery board, potentiometers, wires, breadboard	Tom, Duncan and Adam	20/2/23	8/3/23	10/3/23	17/3/23	27/2/23
19	Hold shift register function	Get the shift register to hold its values to create repeating patterns	18	Discovery board, potentiometers, wires, breadboard	Tom, Duncan and Adam	27/2/23	8/3/23	10/3/23	17/4/23	6/3/23
20	LED shift display	LED display that shows the pattern contained in the shift register	17	Discovery board, potentiometers, wires, breadboard, LEDs	Tom, Duncan and Adam	06/03/23	15/03/23	17/03/23	21/4/23	10/3/23
21	Filter	Either a digital or analogue filter controlled by the shift register	17	TBC	Adam		12/04/23	14/04/23	18/4/23	
22	Presets	Create varying presets using the PD patch	17	PD patch	Cian and Jabez	03/03/23	15/3/23	17/03/23	21/4/23	17/03/23
23	DSP Unit	Implement a DSP unit if time allows	17	TBC	?		15/04/23	17/04/23	21/4/23	
24	Synth Finished	Completed synth	19-23	Completed synth	All	17/03/23	15/04/23	17/04/23	21/4/23	22/3/23
25	Alarm clock functionality	Add additional alarm clock functionality if time allows	17	LCD display	?		15/04/23	17/04/23	21/4/23	
26	Product testing	Plan and implement a series of tests to check functionality and quantify any outputs from the synth (i.e. volume, max number of notes per second etc.)	24	Completed synth	Cian /Everyone minus Ed	17/4/23	19/4/23	21/4/23	23/4/23	21/4/23
27	Product packaging/Finishing product	Use of AI to generate suitable packaging for the final product	24	None	Ed	17/4/23	19/4/23	21/4/23	24/4/23	21/4/23