

What equipment is available?

Within the Creative Technology Lab we have a wide array of equipment and resources available to borrow and use during term time. This equipment is prioritised for students on stakeholder courses.

Equipment can be booked from ORB or loaned from the Kit room or WG14 during office hours in term time. Some equipment may require induction or Technician's approval prior to booking.

Equipment list

- **Arduino Packs** *containing:*
 - Arduino Uno or Leonardo
 - USB Cable (or TypeC USB)
 - Breadboard (Short)
- **HD Projectors**
 - Short Throw LED Projector
 - Standard Throw LED Projector
 - Laser Projector
- **VR Headset**
 - HTC Vive VR Pro Headset
 - Oculus Quest 1
 - Oculus Quest 2
 - Oculus Rift S
- **Raspberry Pi Packs** *containing:*
 - Raspberry Pi 3B
 - micro SD card
 - micro SD card adapter
 - Screen (with dongle)
 - Keyboard
 - Mouse
 - Power supply
 - USB A-Mirco cable
 - HDMI cable
- **Thermal Receipt Printer**
- **Tablets** *including:*
 - iPad mini
 - iPad Air
 - iPod Touch
 - Samsung Galaxy Tab
- **Smartphone** *including:*
 - Samsung S8
- **Human Interface Devices** *including:*
 - Kinect 1 & 2
 - Leap Motion

- Wiimote
- Airbar
- HD cameras
- Realsense Track Camera
- Realsense Depth Camera
- Flir camera
- Tobii Eye Tracker
- **Display** *including:*
 - Elo Touch 7" Screen
 - Elo Touch 10" Screen
- **DMX Devices** *including:*
 - DMX Dimmer Packs
 - RGB LED PAR56
 - USB to DMX interfaces
 - DMX LED driver
- **Other Microcontrollers and Single Board Computers** *including:*
 - MakeyMakey
 - Raspberry Pi Pico
 - Raspberry Pi 3/4/5
 - Arduino (various models)
 - Feather Board
 - Bare Conductive Board
- **Sensors** *including:*
 - Load Cell
 - Colour Sensor
 - IR, Ultrasonic and LIDAR Range Finders
 - PIR Motion Sensor
 - Moisture Sensor
 - Orientation Sensor
 - Light Sensor
 - Heartbeat/Pulse Sensor
 - Temperature Sensor
- **Others popular components** *including:*
 - Neopixel & NeoMatrix
 - LEDs
 - Button/ switch
 - Thermal Receipt Printer
 - Buzzer
 - Common Electronics (resistor, capacitor, diode...)
- **Actuators** *including:*
 - Servos
 - Micro Servos
 - DC Motors
 - Vibration Motors
- **Arduino Shields** *including:*
 - Ethernet
 - Wi-Fi

- DMX
 - Bluetooth
 - Xbee
 - **Others**
 - Madmapper 3 License
 - Logitech Webcam
 - Genelec Monitors
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