



# SPACE MISSIONS CUBESAT MICRO:BIT WORKSHOP

## LESSON ONE

- What are satellites
- Uses of satellites
- Introduction to CubeSats
- Understanding Micro:Bit
- Micro:bit pins
- Micro:bit built in sensors
- MakeCode programming
- MakeCode Blocks types
- Program Download Instructions
- Example Programs 1,2,3

## LESSON TWO

- Why CubeSats are used
- CubeSats components
- Data Logging in CubeSat
- Data Logging
- Blocks Categories
- Basic blocks
- Example Program 4
- Building a CubeSat

## LESSON THREE

- How CubeSats are launched
- Data Logging in CubeSat Models 1-2
- CubeSat Data Logging
- Radio Communication
- Input Blocks
- More advanced sensors
- Exercise: Recording & Displaying data
- Exercise: Reading & Saving data
- Exercise: Radio Communication
- Exercise: CubeSat Operations

