

# Escape Room Algorithm

An **algorithm** is a set of step by step instructions to complete a task

- algorithms can be written in lots of ways
- they are used to help plan and sequence a computer program

# Part Two Algorithm

1. DISPLAY title, ask user name and display a description of the room
2. ASK the user what to do
3. REPEAT until they say "light"  
    IF "light" describe room  
    ELSE say "it's dark"  
    GIVE a hint is needed
4. MOVE to the next riddle

# Part Two Algorithm

This algorithm uses **REPEAT**.

This is **repeating** a block of code. We call this a **loop** - the programming idea of **repetition**

Your code will use a **while loop** - you might remember this from micro:bit programming

# Part Two Algorithm

**Sequence:** getting code in the right order so it does the right thing

**Selection:** using IF - ELSE to make choices

**Repetition:** repeating a block of code