

Topic 2: Introduction to Block-Based Coding

Chapter 3: Introduction to Programming Concepts · Topic 2

Key Concept

In block-based coding, we drag and connect blocks that represent commands, like 'move forward' or 'turn right', to build a program.

Popular block-based coding tools, like Scratch, let us create games, animations, and stories by snapping blocks together.

Block-based coding teaches important programming concepts, like sequences, loops, and conditions, without needing to memorise complex code syntax.

Learning block-based coding builds problem-solving and logical thinking skills that are useful for more advanced coding later.

Quick Revision Notes

- Block-based coding uses visual blocks instead of text.
- We drag and connect blocks to build programs.
- Blocks represent commands like 'move forward'.
- Scratch is a popular block-based coding tool.
- We can create games, animations and stories.
- It teaches sequences, loops and conditions.
- No complex code syntax is needed.
- It builds problem-solving and logical thinking skills.

Practice Questions

- 1 Try creating a simple sequence of blocks (on paper or a tool).
- 2 Discuss what a loop means in coding.
- 3 Explain what Scratch is used for.
- 4 Plan a simple animation idea using blocks.
- 5 Discuss why coding builds problem-solving skills.
- 6 Draw a flowchart of blocks for a simple task, like making tea.