



Prior and Future Learning Year 4

Technology Around Us

- What technology is
- The uses of technology in the local environment and wider world.

The Internet

- Understand the hardware and software of the Internet
- Connecting to the internet
- Accessing the World Wide Web

Micro:bit

- Coding using an external device and hardware components
- Develop understanding of the interaction of hardware and software

All units

- Develop an understanding of the software capabilities of devices and tools
- Relate this to the hardware components

Micro:bit

- Coding using an external device and hardware components
- Develop understanding of the interaction of hardware and software

Unpacking Hardware and Software

Micro:bit

- Coding using an external device and hardware components
- Develop understanding of the interaction of hardware and software

Coding External Devices

- Coding using an external device
- Develop understanding of the interaction of hardware and software

Micro:bit

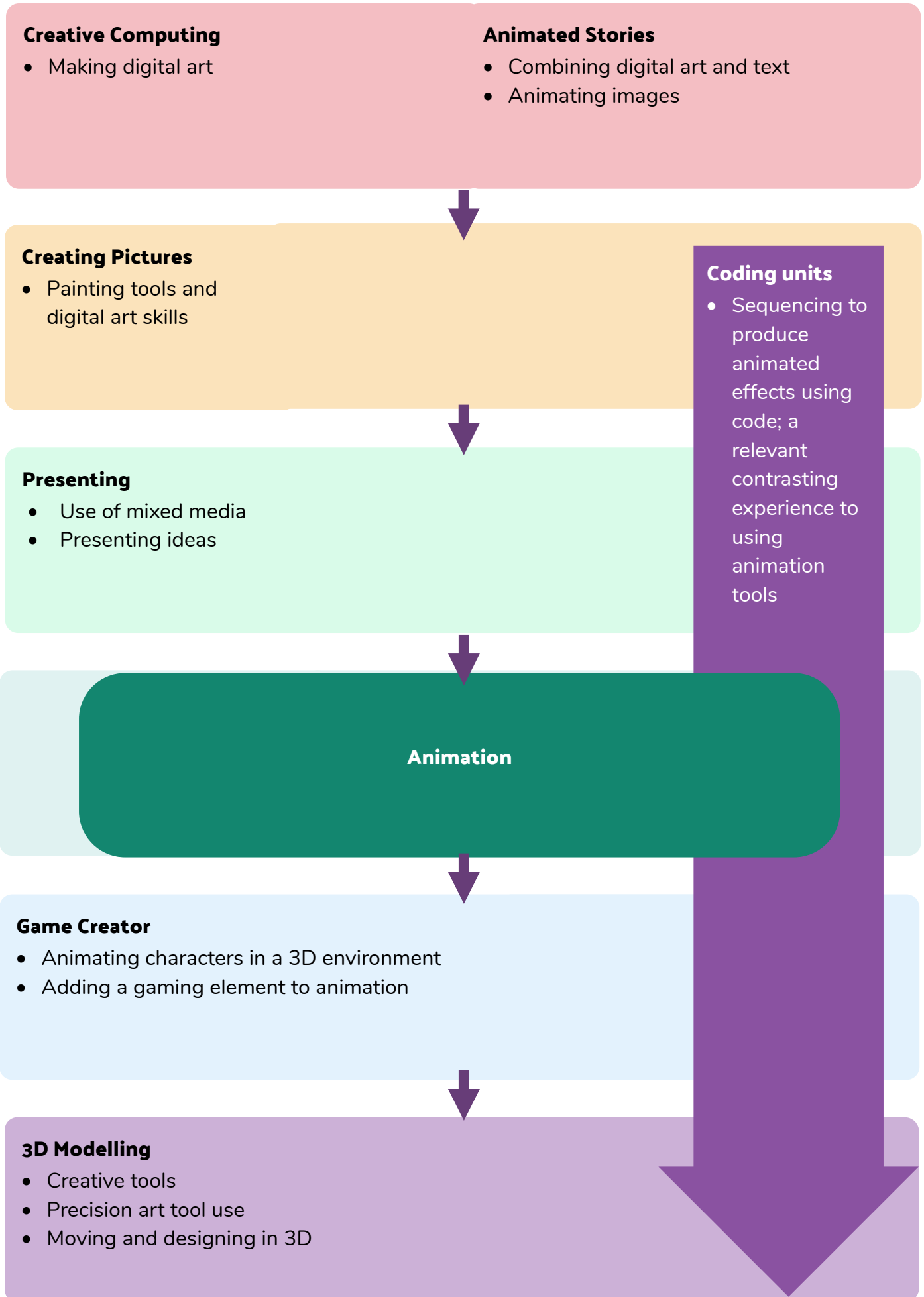
- Coding using an external device and hardware components
- Develop understanding of the interaction of hardware and software

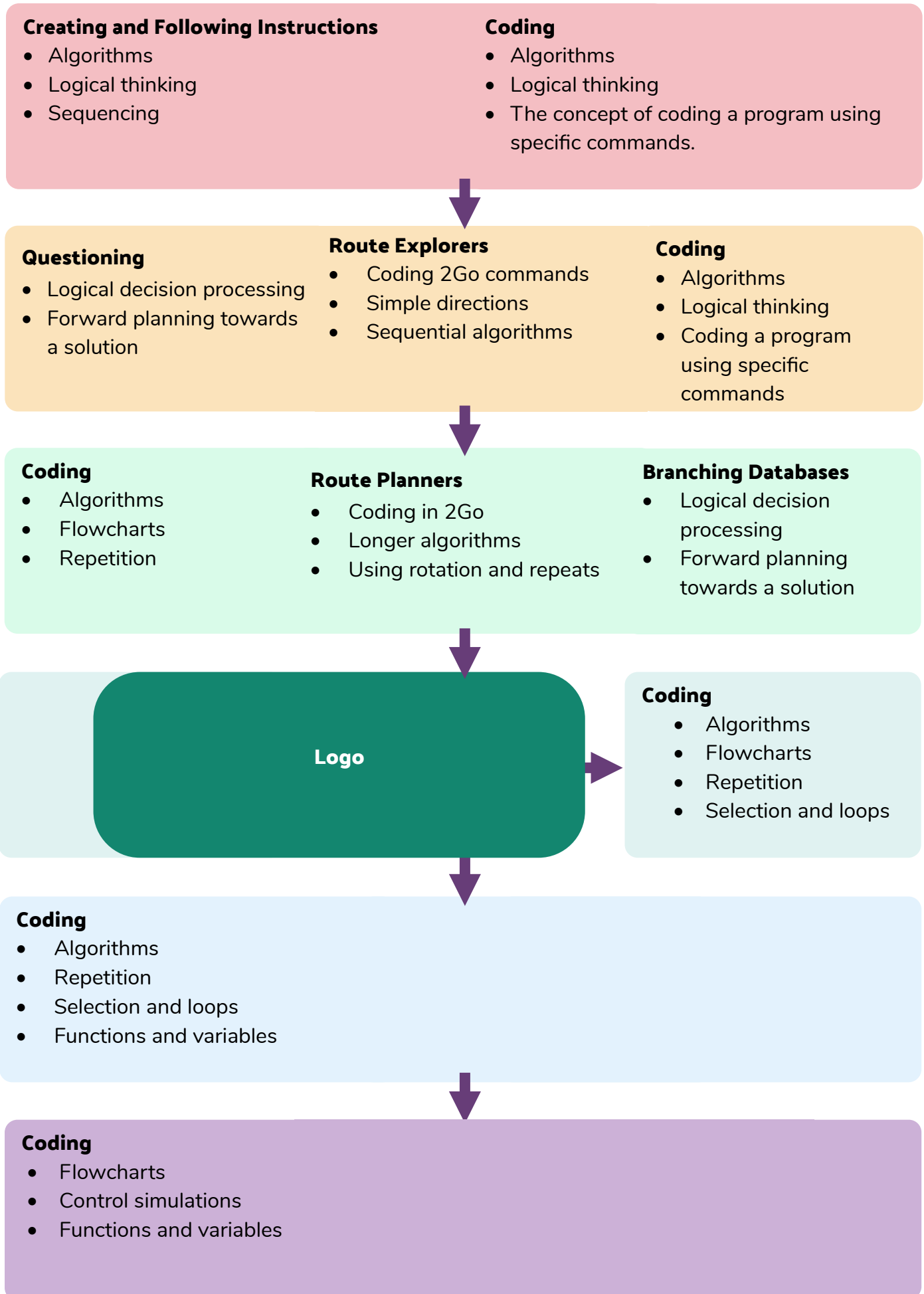
Networks

- The hardware of networks
- Types of networks

Understanding Binary

- The relationship between the hardware components and the signals that are sent that represent software functions





Making Beats

- Exploring digital sounds
- Creating simple music with a digital music tool (2Beat)

Animated Stories

- Adding simple sound effects to stories in 2Create a Story

Making Music

- Understanding a more complex digital music tool (2Sequence)
- Composing music digitally

Animation

- Use of music and sounds in stop animation creation

Sound Stories

Composing Beats

- Using the Busy Beats tool to compose music digitally
- Understanding pitch and texture

Game Creator

- Adding sound effects and background music to themed 3D games

Technology Around Us

- Developing ideas about the technology surrounding us
- Consider purpose and safe use of technology

The Internet

- Understand the hardware and software of the internet
- Finding information on the internet safely
- Understand difference between browsers and search engines

2BeSafe

- Through the online safety scheme, 2BeSafe:
- Recognising reliability of information online
- Navigating search safely
- Evaluating digital content
- Digital Footprint
- Phishing and Plagiarism
- Fake news

Effective Searching

Introduction to AI

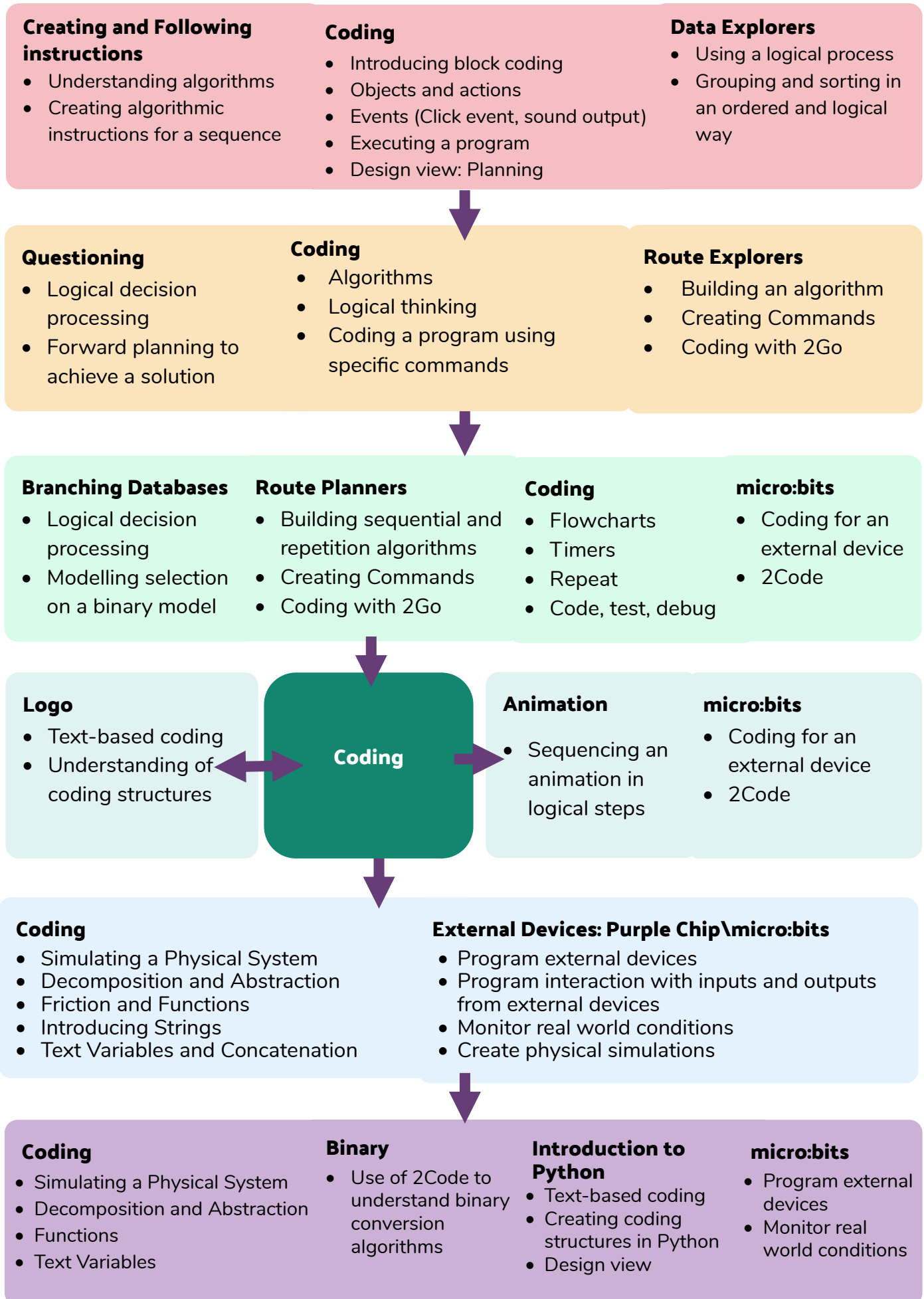
- How AI works
- Positive and negative impacts
- AI in the future

Word Processing

- Searching for images
- Citing sources within documents

Networks

- Exploring the services of the internet and WWW
- Communicating and collaborating online
- Investigating censorship on the internet



Making Beats

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Making Music

- Understanding a more complex digital music tool (2Sequence)
- Composing music digitally

Animation

- Use of music and sounds in stop animation creation

Sound Stories

- Adding audio effects and background music to audiobooks

Composing Beats

Game Creator

- Adding sound effects and background music to themed 3D games

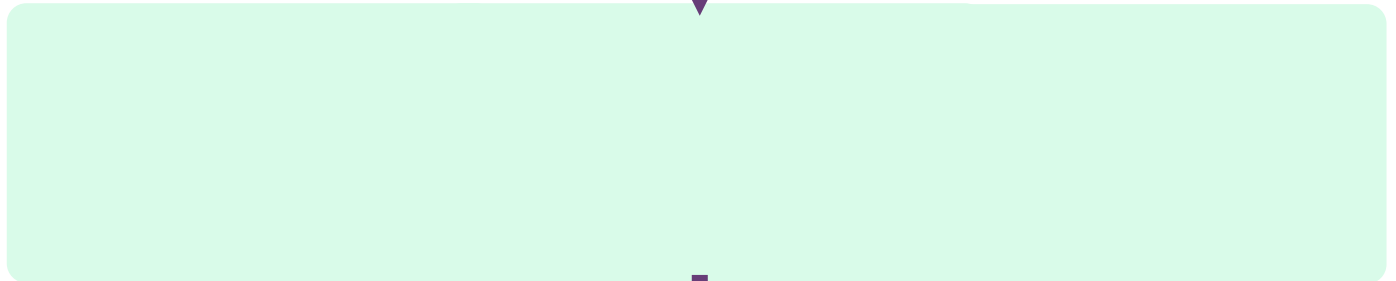
Technology Around Us

- Understand what technology is
- Recognising technology in the local environment and wider world



The Internet

- Defining the World Wide Web
- Recognising browsers and websites
- Connecting to the internet



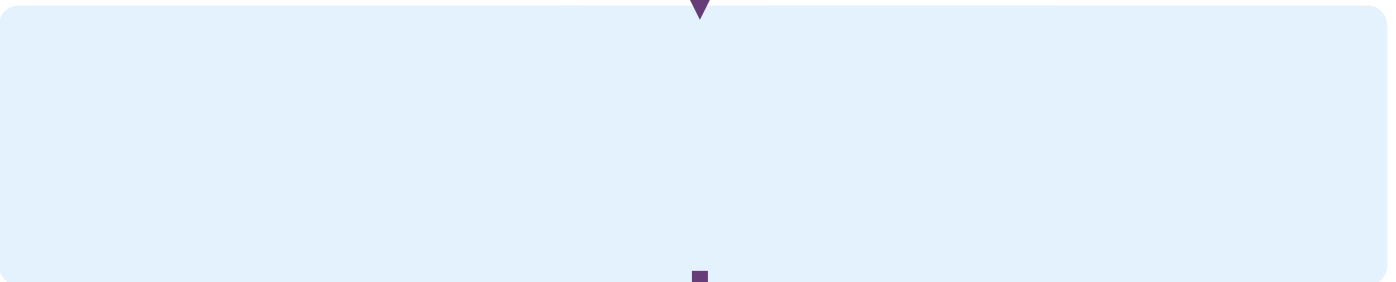
Unpacking Hardware & Software

- Types of technology
- Knowing how systems work together

Introduction to Artificial Intelligence (AI)

Effective Searching

- Using a search engine
- Search rankings
- Reliable searching
- Search algorithms



Networks

- Identifying examples of networks
- Recognising types of networks
- Understanding internet services

