Woodbrook Vale School KS3 ICT Curriculum

Key
Blue: ICT
Green: Computer Science

Assessments

PD Curriculum Links Key:

- Health and Well-being
- Living in the Wider World
- Career and ATL
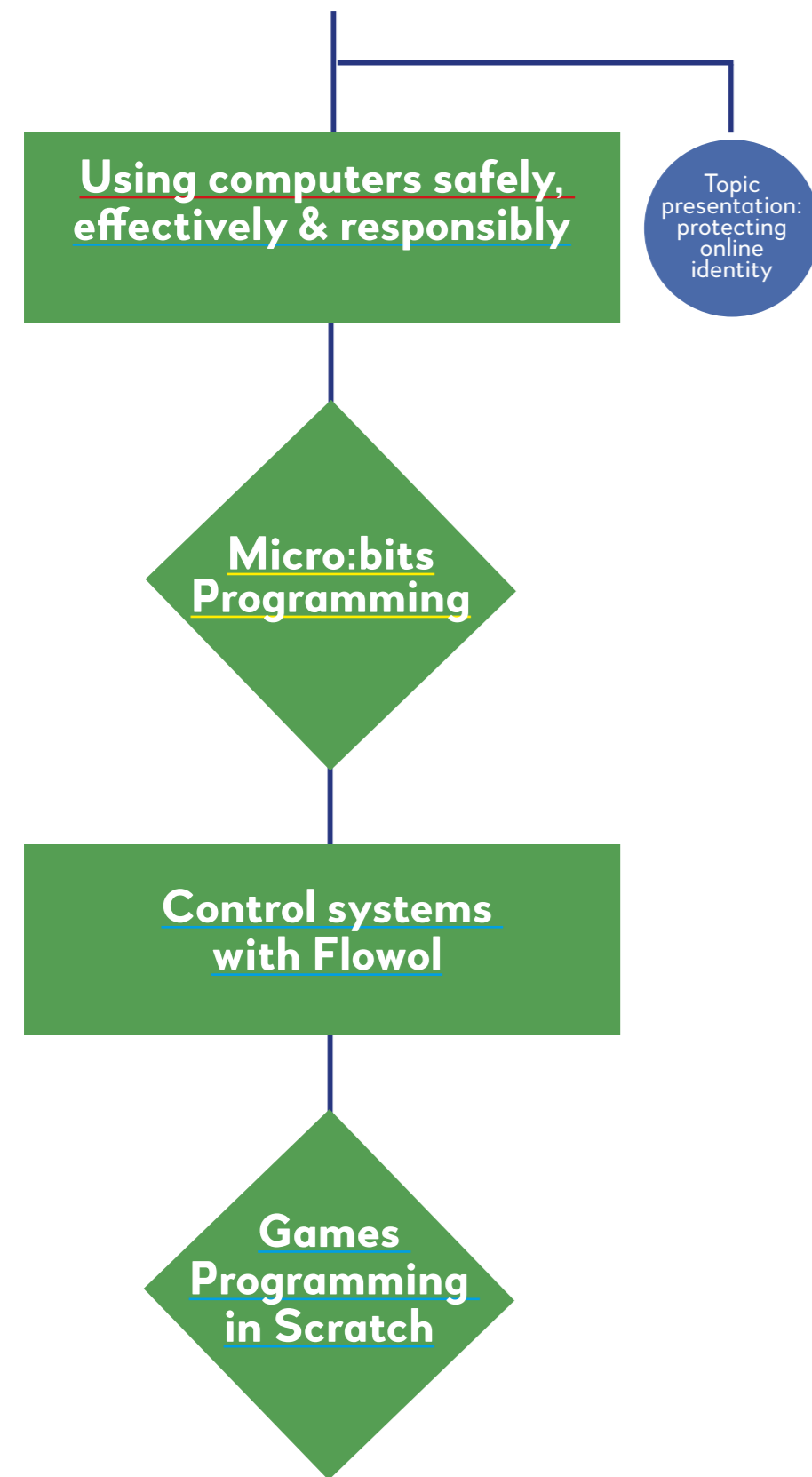- Relationships
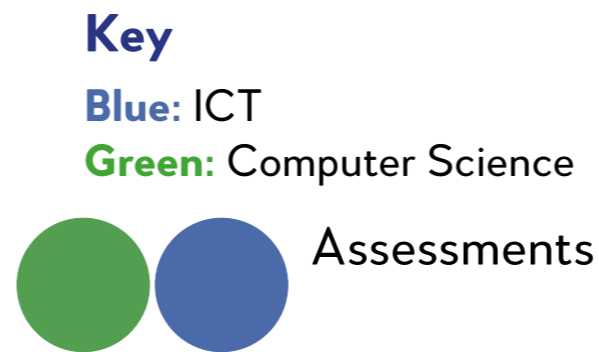
Year 7

Aims & Objectives

To educate pupils on basics of e-safety including the dangers of the internet, cyberbullying and keeping personal data secure.

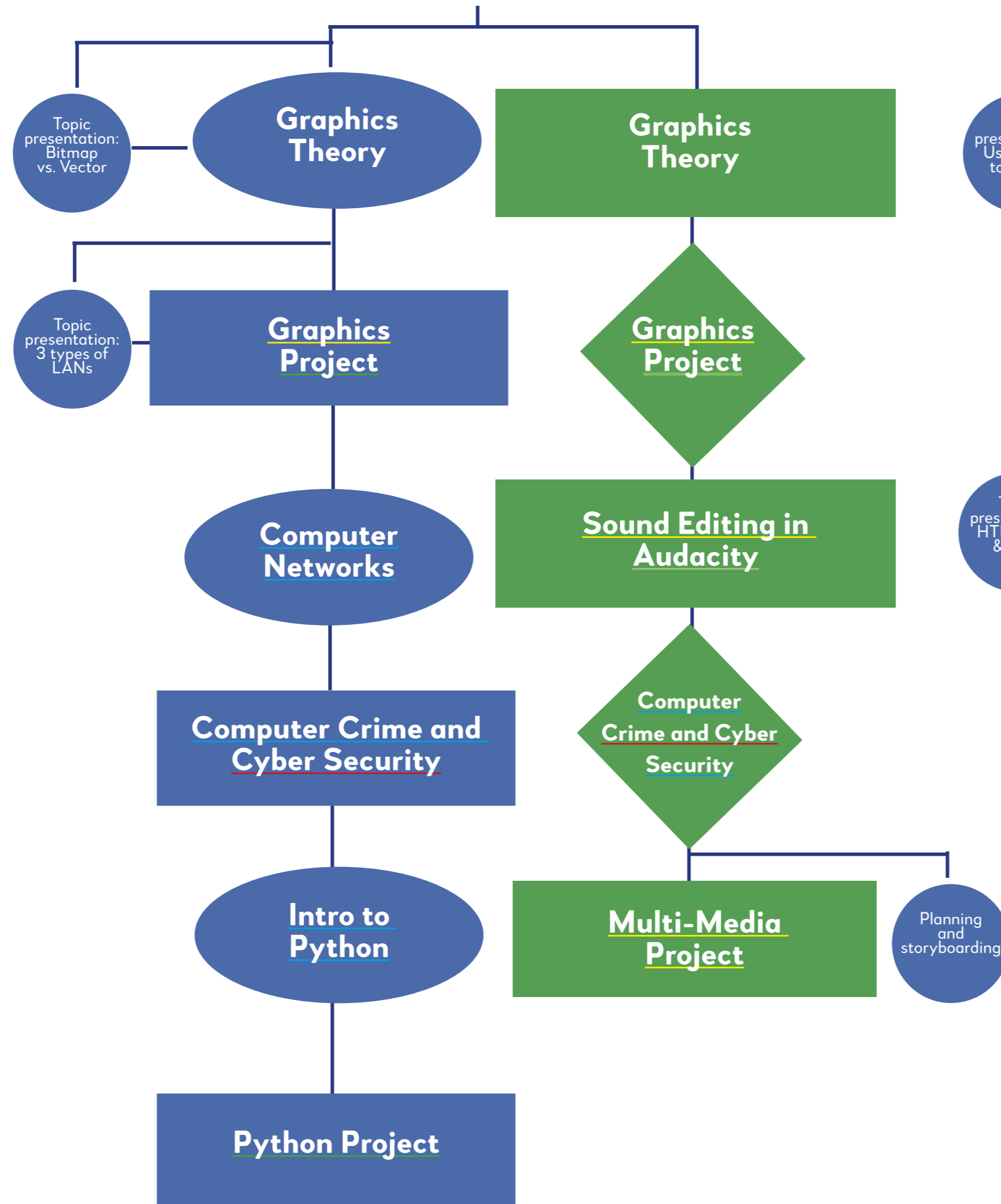To give students the foundation skills needed to understand basic programming concepts.

- Using computers safely, effectively & responsibly
  - Topic presentation: protecting online identity
- Micro:bits Programming
- Control systems with Flowol
- Games Programming in Scratch

(Blended ICT and Computer Science is taught in Year 7)

Year 8

Aims & Objectives

To give students a better understanding of how software packages can be used to create digital products.

To further educate pupils of e-safety including: cyber security, law & legislation, and keeping personal data secure.

- Graphics Theory
  - Topic presentation: Bitmap vs. Vector
- Graphics Project
  - Topic presentation: 3 types of LANs
- Computer Networks
- Computer Crime and Cyber Security
- Intro to Python
- Python Project

- Graphics Theory
- Graphics Project
- Sound Editing in Audacity
- Computer Crime and Cyber Security
- Multi-Media Project
  - Planning and storyboarding

Year 9

Aims & Objectives

To give students of software packages and concepts needed to progress into Creative iMedia.

To give students a better understanding of the GCSE concepts for both Business Studies and Computing.

- Understanding Computers
  - Topic presentation: User guide to binary
- Database Development
  - Topic presentation: HTML tags & CSS
- Introduction to Business Studies
- Python: Next Steps
- Python Project

- Webplus: Development
  - Website self-review
- Creative Media
  - Mood boards & mindmaps
- Multimedia Project
  - Storyboards & scripts
- Micro:bits Programming
  - Video animation
- Transition to Year 10