

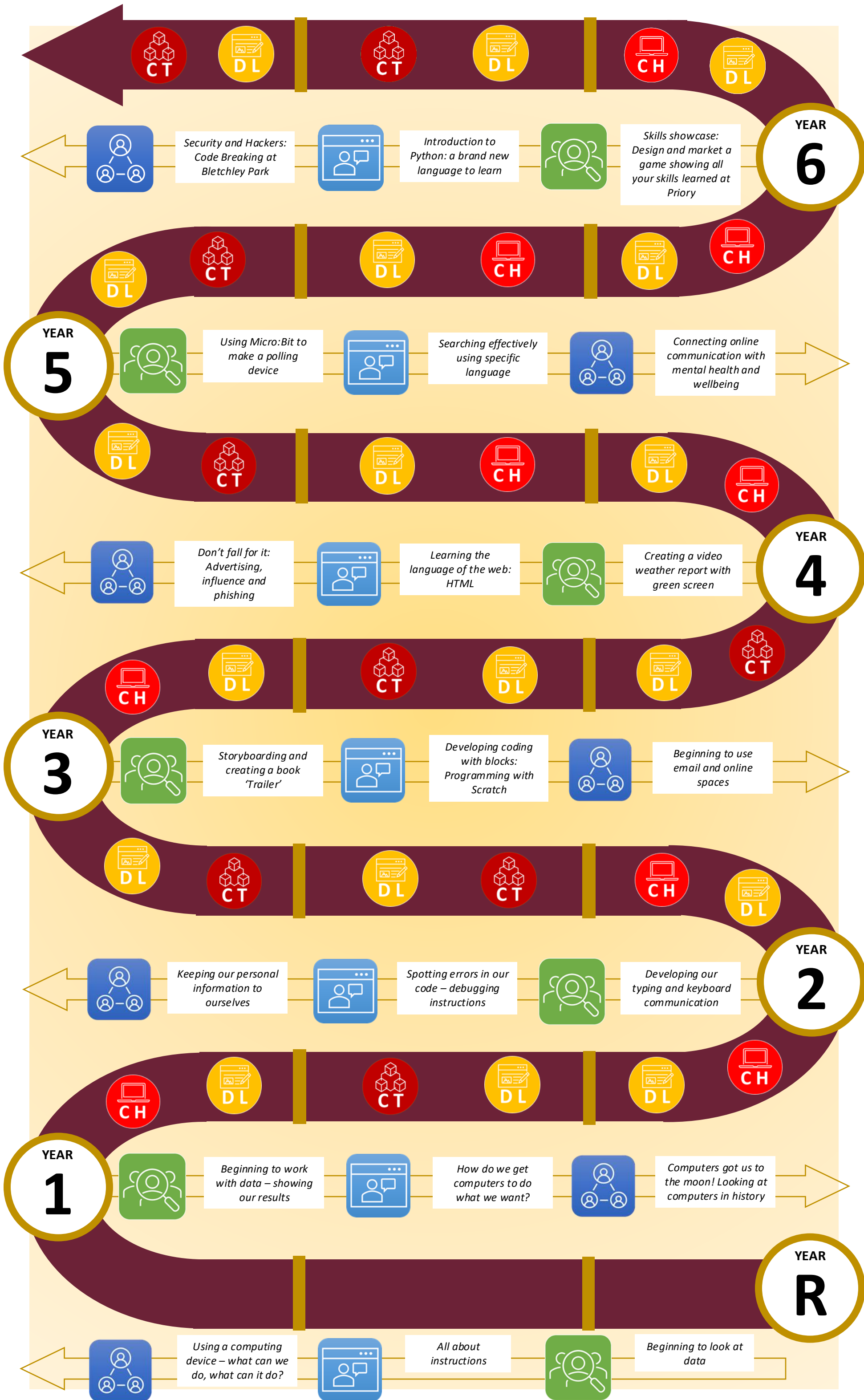


COMPUTING:



“Everybody should learn how to program a computer, because it teaches you how to think.”

— Steve Jobs



Computing Core Concepts



Computational Thinking: a type of problem-solving. It is a way of taking a problem, breaking it down to understand it, and coming up with ideas that could work as solutions.



Digital Literacy: the ability to use information and communication technologies to find, evaluate, create, and communicate information, requiring both cognitive and technical skills. At Priory we include all **Internet Safety** skills within Digital Literacy



Computers and Hardware: What makes a computer, a computer. The history of computing devices and their uses and how it is all connected!

Taught through the age appropriate expectations of the National Curriculum

Computing Themes



Digital Citizens
Computers are all around us and everything we do with them has consequences!



Audience
We create digital media for specific others - or we are the audience!



Language
Binary, html, python, blockly, the language of computers plus subject specific vocabulary

Outcomes

- Reception – Class photo album
- Year 1 – Beebot maze
- Year 2 – Stop motion video
- Year 3 – Book trailer video
- Year 4 – Anglo Saxon Website
- Year 5 –BBC Micro Bit Pedometer
- Year 6 – Scratch/Python Game Showcase

Internet Safety Themes

(Ongoing – Google Interland)

- Mars – Smartie the Penguin
- Year 1 – Smartie the Penguin 2
- Year 2 – Jessie and friends
- Year 3 – Play Like Share
- Year 4 – Play Like Share 2
- Year 5 – Interland
- Year 6 – Interland/Phone Licence