

Computer Science Road Maps

Learning in Science sequenced by year

Computer Science Progress: Y7

Clear Messaging in Digital Media

Networks from semaphores to the internet

Y7

HT1

Programming in Scratch - Part 1

HT2

End Point Checklist 1

First Three Topic Areas

- Digital Media
- Networks
- Scratch

End Point 1

HT3

Modelling data using spreadsheets

End Point Checklist 2

Last Three Topic Areas

- Data/Spreadsheets
- Scratch

HT4

HT5

End Point 2

Skills:
Design & development
Investigation skills
Analysis and evaluation
Programming

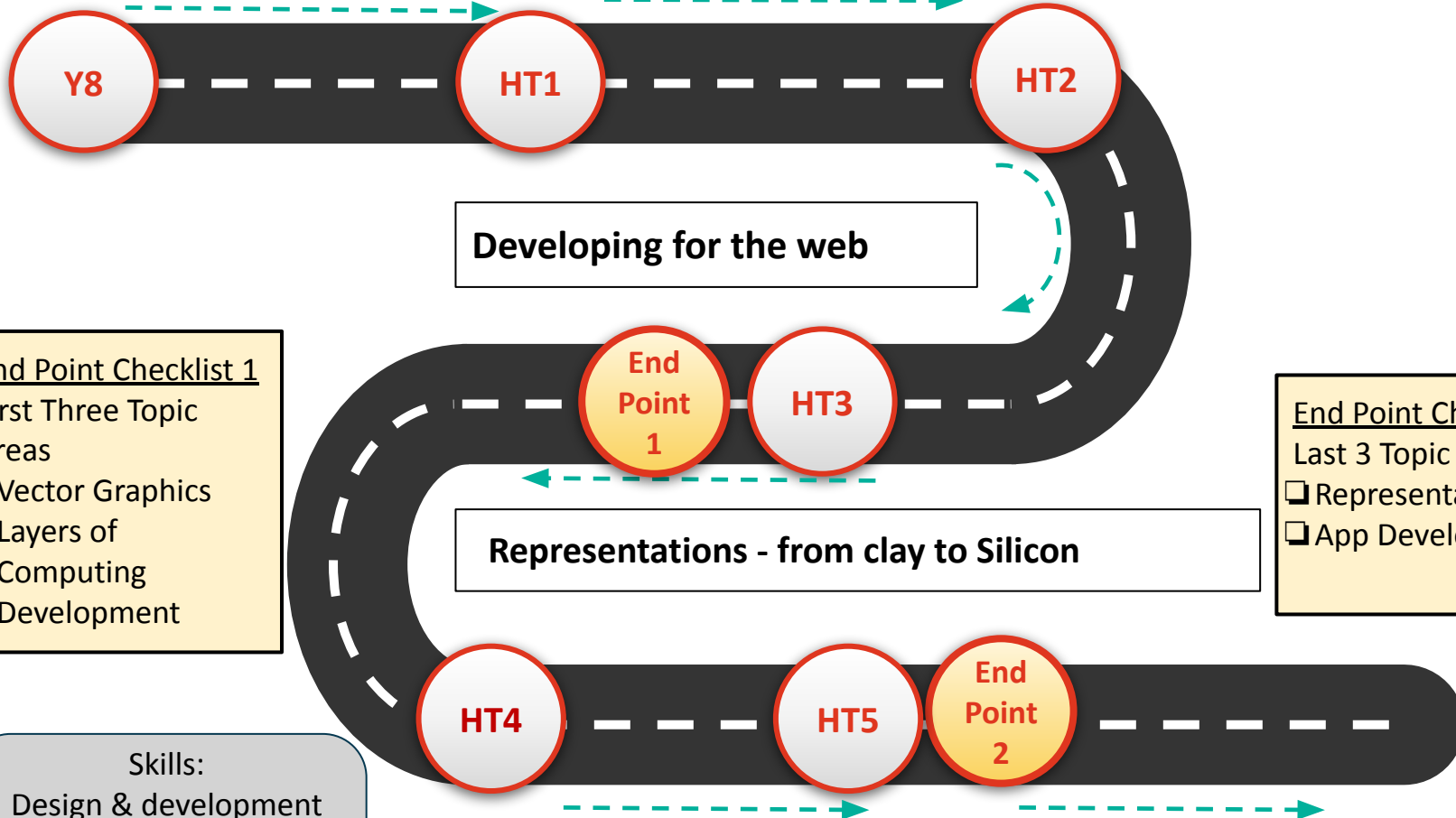
Programming in Scratch - Part 2

Using Media
Gaining support for a cause

Computer Science Progress: Y8

Media - Vector Graphics

Layers of Computing Systems



End Point Checklist 1

First Three Topic Areas

- Vector Graphics
- Layers of Computing
- Development

End Point Checklist 2

Last 3 Topic Areas

- Representation
- App Development

Skills:

Design & development
Investigation skills
Analysis and evaluation
Programming

Mobile App
Development

Introduction to Python
Programming

Computer Science Progress: Y9

Python Programming with
Sequences of Data

Media - Animations

This year, during
options, you can
choose to do study
Computer Science at
KS4.

Y9

HT1

HT2

End Point Checklist 1

First Three Topic
Areas

- Python
- Media - Animations
- Data Science

Data Science

End
Point
1

HT3

End Point Checklist 2

Last Three Topic
Areas

- Audiovisual
- Cybersecurity
- Programming

Representations -
Audiovisual

HT4

End
Point
2

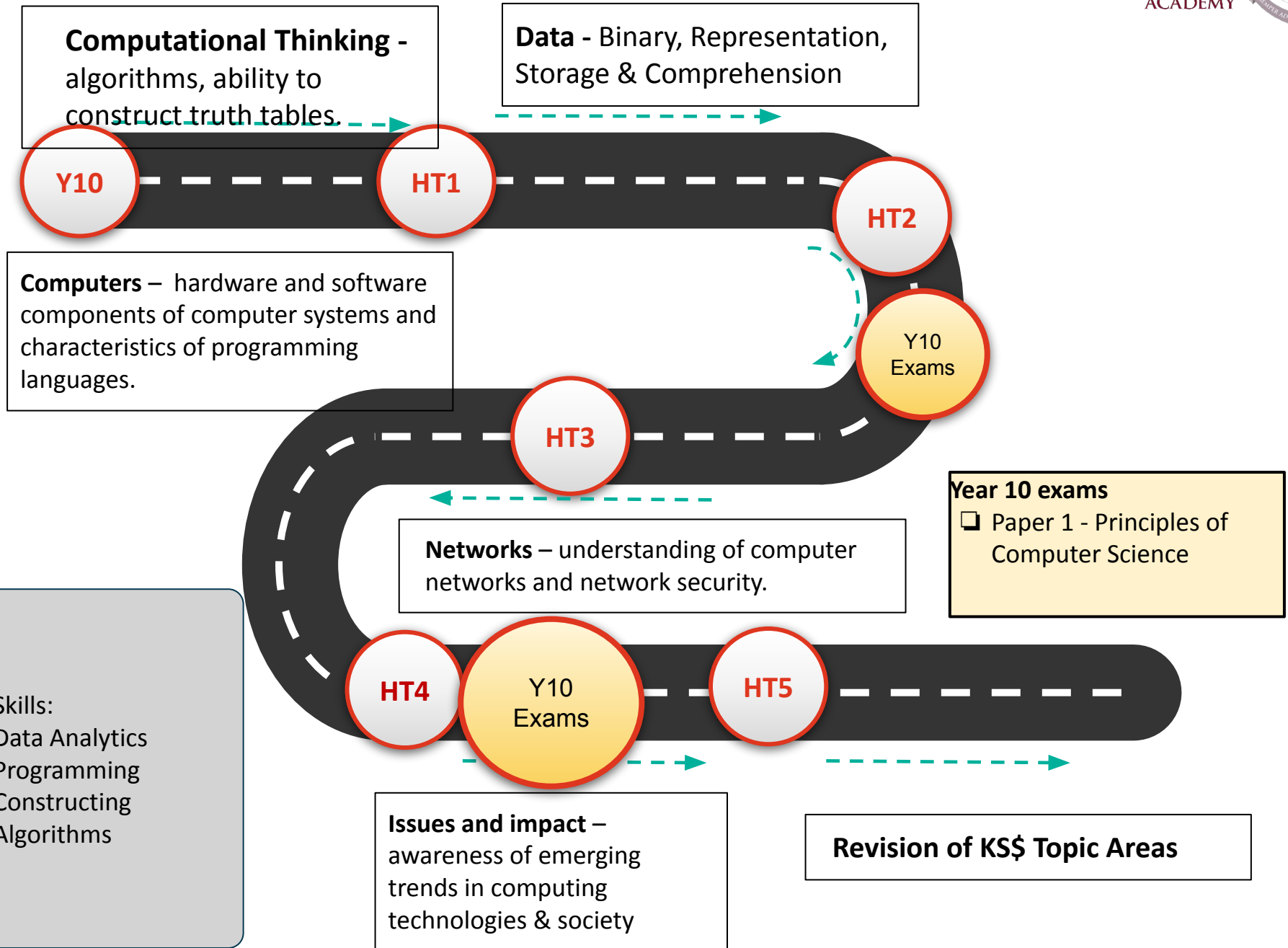
HT5

Skills:
Programming
Image & sound editing
Data Analytics

Introduction of
Cybersecurity

Programming skills with
Physical Computing

Computer Science Progress: Y10



Computer Science Progress: Y11

