Year 11 Computer Science OCR J277
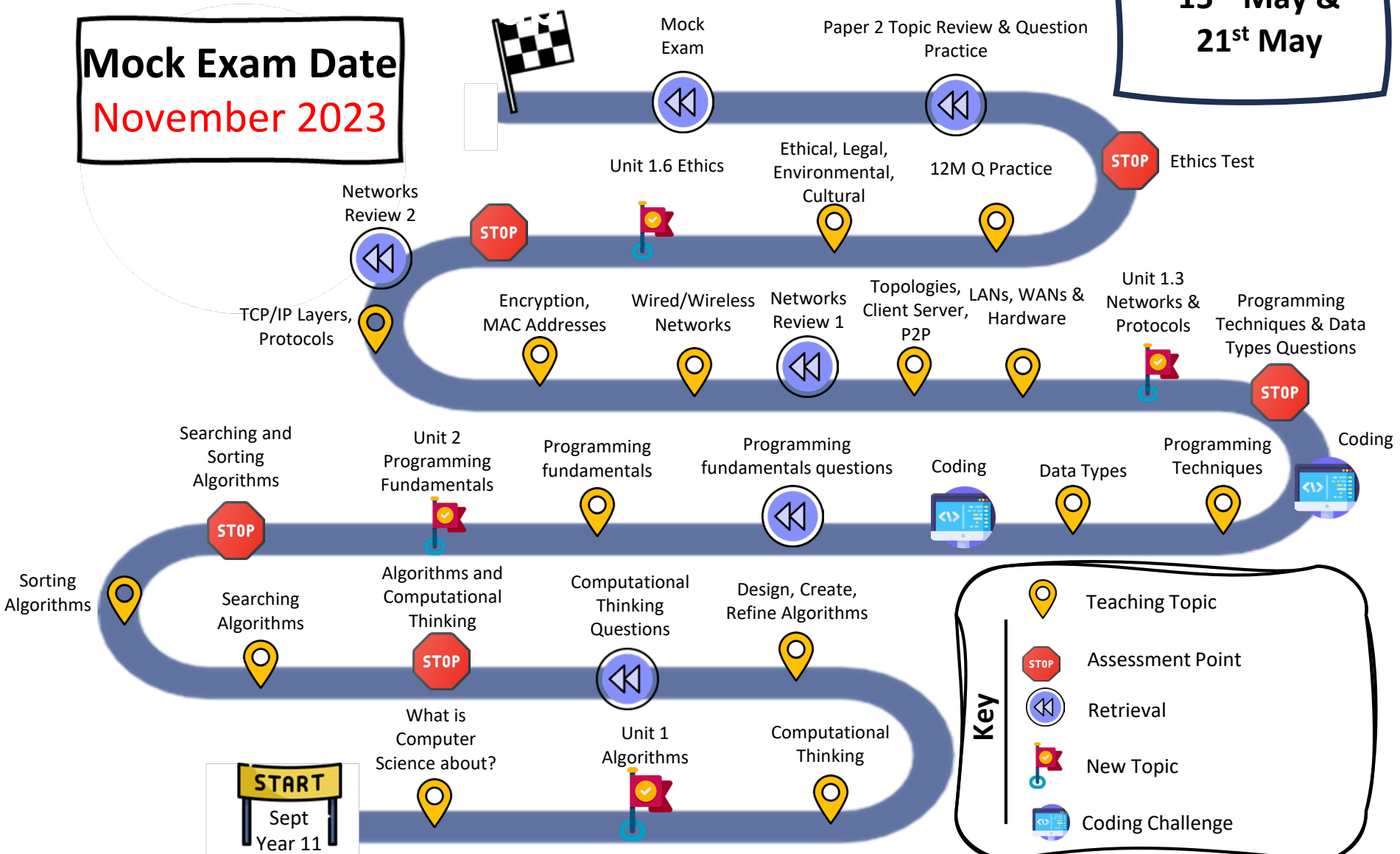
Curriculum Map Autumn Term

Exam Dates 15th May & 21st May

Mock Exam Date
November 2023

Mock Exam

Paper 2 Topic Review & Question Practice

Unit 1.6 Ethics

Ethical, Legal, Environmental, Cultural

12M Q Practice

STOP Ethics Test

Networks Review 2

TCP/IP Layers, Protocols

Encryption, MAC Addresses

Wired/Wireless Networks

Networks Review 1

Topologies, Client Server, P2P

LANs, WANs & Hardware

Unit 1.3 Networks & Protocols

Programming Techniques & Data Types Questions

Searching and Sorting Algorithms

Unit 2 Programming Fundamentals

Programming fundamentals

Programming fundamentals questions

Coding

Data Types

Programming Techniques

Coding

Sorting Algorithms

Searching Algorithms

Algorithms and Computational Thinking

Computational Thinking Questions

Design, Create, Refine Algorithms

START
Sept Year 11

What is Computer Science about?

Unit 1 Algorithms

Computational Thinking

Key

📍	Teaching Topic
STOP	Assessment Point
⏪	Retrieval
🚩	New Topic
💻	Coding Challenge

Year 11 Computer Science OCR J277

Curriculum Map Spring Term
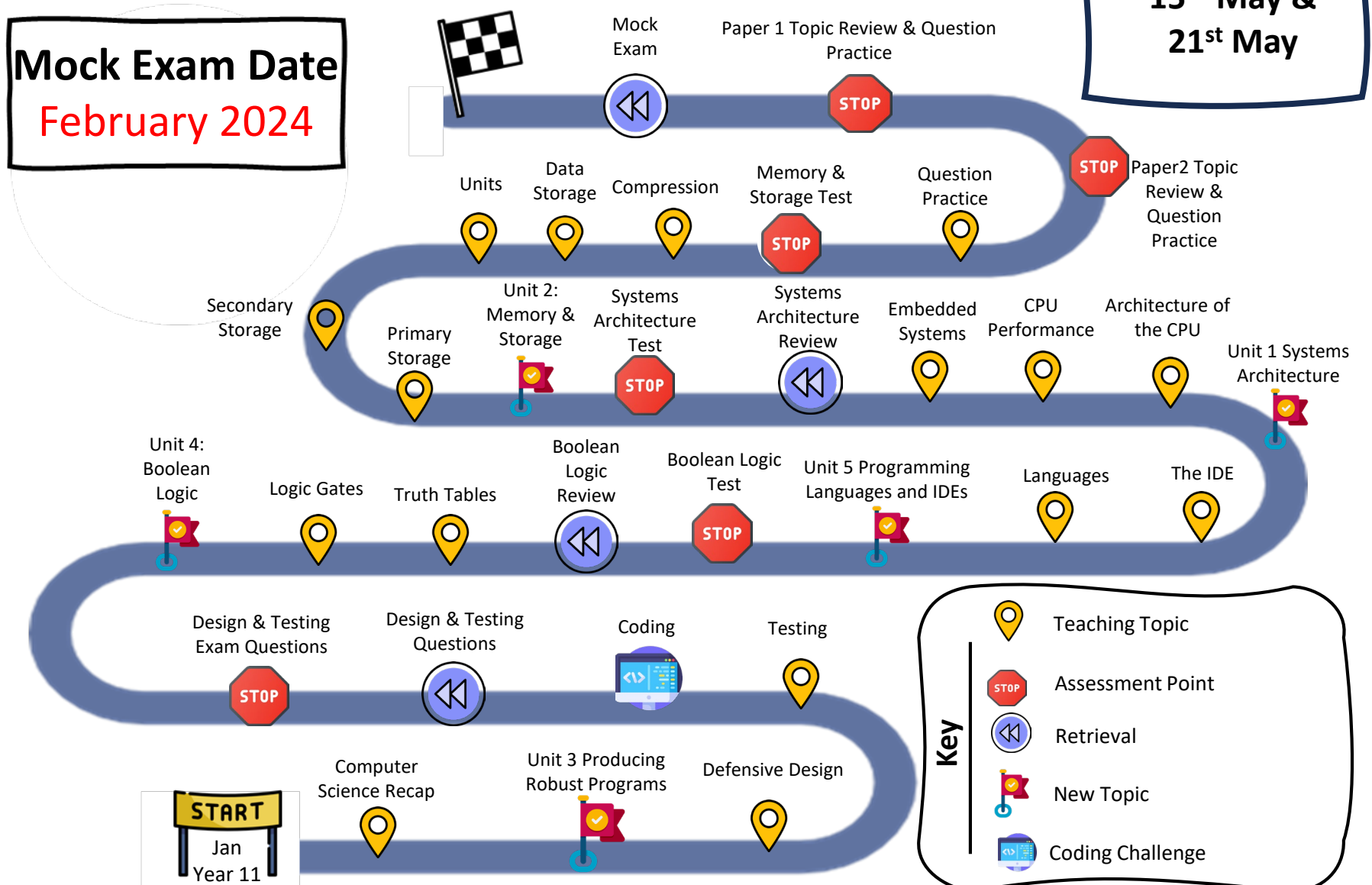
Exam Dates 15th May & 21st May

Mock Exam Date February 2024

Mock Exam

Paper 1 Topic Review & Question Practice

STOP

Units

Data Storage

Compression

Memory & Storage Test

STOP

Question Practice

Paper2 Topic Review & Question Practice

Secondary Storage

Primary Storage

Unit 2: Memory & Storage

Systems Architecture Test

STOP

Systems Architecture Review

Embedded Systems

CPU Performance

Architecture of the CPU

Unit 1 Systems Architecture

Unit 4: Boolean Logic

Logic Gates

Truth Tables

Boolean Logic Review

Boolean Logic Test

STOP

Unit 5 Programming Languages and IDEs

Languages

The IDE

Design & Testing Exam Questions

STOP

Design & Testing Questions

Coding

Testing

Computer Science Recap

Unit 3 Producing Robust Programs

Defensive Design

START

Jan Year 11

Key

📍	Teaching Topic
STOP	Assessment Point
⏪	Retrieval
🚩	New Topic
</>	Coding Challenge

Year 11 Computer Science OCR J277

Curriculum Map Summer Term

Exam Dates
15th & 21st May 2024

Paper 2 Topic Review & Question Practice

Paper 1 Topic Review & Question Practice

Unit 2 Memory & Storage

Memory & Storage Review

Memory & Storage Test

Ethics Test

12M Q Practice

Unit 6 Ethics

Systems Software Test

Systems Software Review

Unit 5 Systems Software

Networks Security Test

Networks & Security Review

Unit 4 Networks & Security

Robust Programs Test

Unit 4 Boolean Logic

Boolean Logic Q Review

Boolean Logic Test

Programming Languages & IDES

Programming Languages & IDES Review

Programming Languages & IDES Test

Unit 1 Systems Architecture

Systems Architecture Review

Systems Architecture Test

Robust Programs Exam Q Review

Unit 3 Robust Programs

Prog Fundamentals Test

Prog Fundamentals Exam Q Review

Unit 2 Programming Fundamentals

Algorithms and Computational Thinking Test

START
April Year 11

Computer Science Paper 2 Question Review

Algorithms

Algorithms Exam Q Review

Key

- Teaching Topic
- Assessment Point
- Retrieval
- New Topic
- Coding Challenge