# Year 12 Computer Science LEARNING JOURNEY

COMPUTING & ICT DEPARTMENT
Gunnersbury Catholic School

**Types of Programming Language**
- Procedural
- Declarative

**Databases**
- Relation
- Attribute

**Compression, Encryption & Hashing**
- Lossy & Lossless
- Symmetric & Asymmetric

**Network Security & Threats**
- Viruses
- Accidental

**Data Structures**
- Variables
- Arrays

**Thinking Ahead**
- Inputs & Outputs
- Reusability

**Programming Techniques**
- Sequence
- Selection
- Iteration

- COMPUTER SYSTEMS ALGORITHMS & PROGRAMMING

**Boolean Algebra**
- AND & OR
- NOT & NAND

**Web Technologies**
- HTML & CSS
- JavaScript

**Ethical Issues**
- Digital Divide
- Obsolescence

**Data Types**
- Numbers
- Strings
- Boolean

**- Moral Issues**
- Copyrig t
- Digital Divide

**Software Development**
- Waterfall
- Agile
- Lifecycle

**Thinking Abstractly**
- Reality
- Modelling

**Types of Program Language**
- Objects
- Methods

**Input, Output & Storage**
- Hardware
- Software
- Media

**Structure & Function of Processor**
- Architecture
- Components

**Systems Software**
- OS
- Utilities

**Apps Generation**
- IDEs
- Text Editors

**Year 12**

Using Computing Devices at Home

Gunnersbury Catholic School
enabling Catholic boys to achieve to the very highest
KILGARRIFF
AD ALTIORA