

Year 7	Year 8	Year 9
Computer Basics	Data Representation	Data Representation
Passwords Navigating School Resources: <ul style="list-style-type: none"> • Teams and Satchel One • Emails • Quizlet • IDEA 	Number Systems and Conversion Units Binary Arithmetic - Addition Hexadecimal	Number Systems and Conversion Binary Arithmetic – Addition and Overflow Binary Arithmetic – Multiply and Divide Character Sets Images Sound File Size Calculation Compression
Computer Systems	Computer Systems	Networks and Security
Problem Solving Challenge IPOS Data Representation Logic Gates The CPU Hardware Devices	Problem Solving Challenge Types of Computers Hardware and Software Truth Tables Encryption	Problem Solving Challenge Network Types Hardware Data and Information Threats and Prevention Methods Legislation
Impacts of Technology	Artificial Intelligence	Advanced Algorithms and Programming Techniques
Artificial Intelligence Recommendation Algorithms Habits and Design	Generative AI Training Data Testing Data and Bias Chatbots Facial Recognition	Searching Algorithms Programming Techniques: <ul style="list-style-type: none"> • Output, Variables and Inputs • Data Types • Comparison Operators • Logical Operators • Condition Controlled Loops • Advanced Programming Challenges
Introduction to Algorithms and Programming	Programming Techniques	
Computational Thinking Input, Process, Output Algorithms Flowcharts Programming Techniques <ul style="list-style-type: none"> • Variables and Output • Input and Processes • Sequence and Selection • Iteration Project	Programming Techniques: <ul style="list-style-type: none"> • Output • Variables • Inputs • Selection • Count Controlled Iteration • Condition Controlled Iteration • Types of Errors Project	