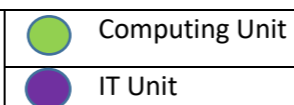


**Chosen Hill School – Computing Department**  
**(Curriculum Overview – 2021-2022)**



<b>6</b> Transition Unit	Post KS2 SATs : Bridging unit which is packaged and delivered to primary skills as a self-contained unit using no specialist software and requiring no specialist expertise Basic Game Design – Sprite Graphics / Scratch or Kodu .... Follow up in Intake day – Possibility of X –Curricular links with Art / Maths on the day – (Assessment of task informs progression on units)					
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>7</b> Foundation Intro to network Office 365 Email Sharepoint Baseline Assessment	<b>Topic</b> Introduction to CHS ICT <ul style="list-style-type: none"> <li>Working collaboratively</li> <li>E-safety</li> <li>Using Office 365/SharePoint</li> <li>'Heroes' presentation</li> </ul> <b>Assessment</b> Summative Assessment (Forms/Satchel) Self/Peer Evaluation	<b>Topic</b> Spreadsheet Modelling (Harry Plotter) <b>Outcomes</b> Create formulae Spreadsheet formatting Charts/graphics Model and analyse data <b>Assessment</b> Forms Quiz	<b>Topic</b> Vector Graphics (Inkscape – Teach Computing Unit) <b>Outcomes</b> Working with shapes and lines Nodes Fill and stroke properties Union/Difference/Intersection <b>Assessment</b> Forms Summative Quiz	<b>Topic</b> Understanding Computers Outcomes Computer Systems FDE Memory/Storage Binary <b>Assessment</b> Forms Summative Quiz	<b>Topic</b> Non-linear Presentations <b>Outcomes</b> Hyperlinking slides Quiz research Peer Feedback <b>Assessment</b> Self/Peer Evaluation	<b>Topic</b> Scratch Basics Outcomes Basic programming constructs: Sequencing Selection Iteration Variables <b>Assessment</b> Forms Quiz/ End of Year
<b>Pathway</b>	Term 1	Term 2	Term 3	Term 4	Terms 5-6	
<b>8</b>	<b>Topic</b> Algorithms (PG Computational Thinking /Flowol) <b>Outcomes</b> Use of flowchart symbols Programming constructs Computational thinking <b>Assessment</b> Assessment task (in class)	<b>Topic</b> Introduction to web design <b>Outcomes</b> Use of web design software to create site structure Hyperlinks Multimedia content <b>Assessment</b> Self/Peer Evaluation	<b>Topic</b> Text-based programming (Small Basic) <b>Outcomes</b> Write and run programs in Small Basic Identify and correct syntax errors Use variables Selection and iteration <b>Assessment</b> Summative Assessment (worksheet)	<b>Topic</b> Networks (PG Online) <b>Outcomes</b> Types of network Topologies Network security <b>Assessment</b> Forms Summative Quiz	<b>Topic</b> Computer Game Planning & Design <b>Outcomes</b> Working to a brief Planning game flow Designing sprites & backdrops Creating and testing code <b>Assessment</b> Self/Peer Evaluation	
<b>Pathway</b>	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>9</b> ICT	<b>Topic</b> Graphics: Bitmap/Vector (iMedia taster) <b>Outcomes</b> Differences between bitmap/vector graphics creation and storage; compression. Working to a brief Pre-production documents Asset table Create movie poster – bitmap skills Evaluate against brief <b>Assessment</b> Final graphic & evaluation	<b>Topic</b> Python First Steps (PG Online) <b>Outcomes</b> Input/Output Data types Selection/Iteration	<b>Topic</b> Pre-Production Documents (R081) <b>Outcomes</b> Creating mind maps, mood boards and visualisations Health and Safety Camera Angles Scripts and Storyboards <b>Assessment</b> Past paper questions/2021 TAG Assessment	<b>Topic</b> Cyber Security (Teach Computing) IDEA Cyber Badges <b>Outcomes</b> Types of threat Preventing vulnerabilities Network policies <b>Assessment</b> Summative Assessment (Teach Computing)	<b>Topic</b> Python Next Steps (PG Online) <b>Outcomes</b> Lists Loops Procedures Functions <b>Assessment</b> Assessment Portfolio	<b>Topic</b> Interactive Multimedia Presentation/ Audio activities (e.g. R088 Practice, Lyric Video) <b>Outcomes</b> Working to a brief Referencing sources Site structure planning Linking slides/Navigation system Embedding multimedia assets Resource table Evaluation against brief <b>Assessment</b> Self/Peer Evaluation

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>10</b> Computing Pathway	<b>Topic</b> 1.1 Systems Architecture 2.6 Data Representation 2.1 Algorithms <b>Marking Point</b> Portfolio / Learning Grid 1.1 Exam / 2.6 Exam <b>Assessment</b> Examinations fed into central tracking grid	<b>Topic</b> 1.2 Memory / 1.3Storage 2.6 Data Representation 2.2 Programming <b>Marking Point</b> Portfolio / Learning Grid <b>Assessment</b> Portfolio / Examinations fed into central tracking grid	<b>Topic</b> 1.4 Networks 2.3 Robust Programmes <b>Marking Point</b> Portfolio / Learning Grid <b>Assessment</b> Portfolio / Learning Grid Examinations fed into central tracking grid	<b>Topic</b> 1.6 Systems Security 2.4 Computational Logic <b>Marking Point</b> Portfolio / Learning Grid <b>Assessment</b> Portfolio / Examinations fed into central tracking grid	<b>Topic</b> 1.8 Ethical 2.3 Robust Programming <b>Marking Point</b> Portfolio / Learning Grid <b>Assessment</b> Portfolio / Examinations fed into central tracking grid	<b>Topic</b> NEA Programming <b>Marking Point</b> Completion of exam board NEA programming task – (20 hours required) <b>Assessment</b> Completion of NEA – Assessed and returned to inform progress on Paper 2
<b>11</b> Computing Pathway	<b>Topic</b> NEA Programming <b>Marking Point</b> Completion of exam board NEA programming task – (20 hours required) <b>Assessment</b> Completion of NEA – Assessed and returned to inform progress on Paper 2	<b>Topic</b> 1.1 Systems Architecture <b>Marking Point</b> Exam1 <b>Assessment</b> Portfolio / Exam1	<b>Topic</b> 1.3 Memory / 1.3Storage 2.5 Translations <b>Marking Point</b> Exam 2 <b>Assessment</b> Portfolio / Exam 2 Exam Paper topic focus	<b>Topic</b> 1.4 Networks / 1.5 Topologies Protocols / layers 2.6 Data Representation <b>Marking Point</b> Exam 3 <b>Assessment</b> Portfolio / Exam 3 Exam Paper topic focus	<b>Topic</b> 1.6 Systems Security / 1.7 System Software 1.8 Ethical / Moral / Legal <b>Marking Point</b> Exam 4 <b>Assessment</b> Portfolio / Exam 4 Exam Paper topic focus	<b>Topic</b> 1.1 Systems Architecture <b>Marking Point</b> Exam 5 <b>Assessment</b> Portfolio / Exam 5 Exam Paper topic focus

