ICT/Computing Three Year Learning Journey WEST GRANTHAM Church of England Secondary Academy **Data cleansing KS4 Option:** Lighting and BTEC L1/2 Tech camera setup **Proportional** Trends and pattern **Editing and** Visualising data Rendering **Award Creative** editing recognition Layout and extrusion **Media Production** Design techniques Generating Primary assets -**Data Science** Summer Animatior Photography, Logo design and creation Creative **Correlation and Parenting Producing Image Editing and** Media outliers **Keyframing** objects and editing **Data capture forms Manipulation Production** written copy Computer Project Font Theory and **PRIVATE Misuse Act Typography** Sketches **Bots and Human error and Data Spring** Locate and **Data Privacy Analysing Briefs Botnets** minimizing risk **Protection Act** correct common 医斑菌 syntax errors **Demographics Creative Media** Selection (If, **Production Project** elif, else) Cybersecurity **Colour Theory** Autumn Iteration **Psychographics** (while, for) HACKED **Pre-Production** Strings /= **Protecting Determining** documentation **Python** Hacking **Brute Force Data vs. Information Networks Target Audience** and planning **Programming DDOS** characters **Malware** requirements Creating Generate and use **Arithmetic** Variables as and **Algorithms** random integers Iteration expressions Passing variables counters accessing lists **Variables** Year Establishing user need **Combining key Python** Summer programming **Programming** Sequence, features to selection develop solutions to meaningful **Block-based** problems programming Locate and **User input** Selection (If, App **User input Development** correct common elif, else) GUI syntax errors **Decomposition** elements to The Internet vs. the meet **World Wide Web HTML** and inline How search **Boolean search** The Internet of Things audience **Binary to Denary** formatting operators (AND, engines work and (IoT) need conversion OR, NOT) **HTTP and HTTPS** web crawlers Byte **Defining and** How are HTML Data 10101 measuring bandwidth bits Representation stored? **Spring** Data Web Design CS **Transmission** Measuring 10101 **Networks** sequence size WIFI What are **Binary bits** 10101001 networks? **Symbolic** CSS and the benefits 00سان **Protocols** Navigation and hyperlinks over inline formatting representation **Network** Logo hardware creation Spreadsheet basics -Manipulate objects (select, CSS Autumn Formatting techniques columns, rows, cells move, resize, rotate, flip) Data vs. Information Draw and Year edit paths **Vector Spreadsheets** and nodes Charts **Graphics** 8 Vector vs. Bitmap Summer Combine paths using union, Functions - COUNT, SUM, Lists OC Draw basic polygons (ellipse, difference, intersection MAX, MIN rectangle, star) **Block-based programming Iteration Subroutines** Referencing and **Programming 2 Boolean** giving credit to Sequence **Plagiarism** Selection 6 6 **Features of Word Processors** sources **1**:2> 4-5 Decomposition DOC **Formatting** documents Programming I **Spring** Gaining Support for a Creative (CC **Cause Debugging BLOG Commons** Comparison and logical **Blogs** operators **Evaluating online sources Variables** Input/Process/Output Licensing (C)**Presentation software** Cyberbullying Collaborating and sharing **Operating systems** Logic Computer gates 10101 01011 10101 **Systems** Year **Collaborating Online Autumn** Data as Responsibly **Binary Software** What is a computer? Safe and secure Passwords **Documents and applications** Hardware AI & Machine Email communication Learning **Computer Science Information Technology Digital Literacy**