

YEAR 8 CURRICULUM INFORMATION – BUSINESS AND COMPUTING

| | Spring 1 | Spring 2 |
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| What will students be learning? | Students begin by learning about the different ways you can start a business. Students will find out the benefits and drawbacks of each type of business ownership. Students then learn about how different groups of people and things going on outside a business can affect business decisions. | Students begin by studying 'Binary and Boolean Logic' followed by 'Data Representation'. Students will learn how data (text, sound, images) is represented digitally (binary) building on their prior knowledge of storage and how computers processes information (CPU). |
| How will students be assessed? | Students will be assessed on each topic (Making Business Effective) with a set of multiple-choice and short answer questions (10 marks). | Students will be assessed on each topic (Binary and Boolean logic, Data representation, Computational thinking, and Algorithms) with a set of multiple-choice and short answer questions (10 marks). |
| Literacy – What keywords will be taught? | <ul style="list-style-type: none"> • Sole trader • Partnership • Private limited company • Franchise | <ul style="list-style-type: none"> • Stakeholder • Objective • Conflict • Interest |
| What employability skills are being developed? | <ul style="list-style-type: none"> • Binary • Overflow error • Logic gates • Algebraic expressions | <ul style="list-style-type: none"> • ASCII (American Standard Code for Information Interchange) • Pixel • Sampling • Compression |
| Wider Curriculum Links? | Problem-solving, creativity, communication | Problem solving skills, logical reasoning, and numeracy. |
| What useful websites are there for this topic? | English, Maths | Numeracy, specifically calculating using formulae, adding, subtracting and logical reasoning within 'Binary and Boolean Logic' and 'Data Representation'. |
| What wider reading could be done for this topic? | BBC bitesize – Business Seneca learning - Business | KS3 Computer Science - BBC Bitesize Cisco's Binary Number Game [Binary Blitz]. Penjee's adaptation. |
| What else can students be doing independently to develop their understanding of this topic? | Sole traders - Business ownership - AQA - GCSE Business Revision - AQA - BBC Bitesize | Learn Computer Science - Code.org |
| | Interview any family or friends to find out about where they work and what type of business it is. | Go onto Seneca Learning at complete the KS3 Computer Science course Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com) |