

ICT Curriculum Map 2021- 2022

Key Stage 3

| Year | Half term 1 | Half term 2 | Half term 3 | Half term 4 | Half term 5 | Half term 6 |
|------|--|--|--|---|---|--|
| 7 | <p>School Project (Ghost)</p> <ul style="list-style-type: none"> Files handling Web Quest – reliability and validity of information on the web Web Quest – research on various technologies used in sports (athletics). How to use teams Email etiquette <p>E-safety & Formatting Health and Well-being and how to be a modelled citizen including equality and diversity</p> <p>Create a presentation staying safe online.</p> | <p>Python Programming (Stings, Print, Variables, Selection & Turtle)</p> <p>(Problem-solving skills/ creative thinker skill)</p> <ul style="list-style-type: none"> Write several programs to solve various problems | | <p>Spreadsheet Modelling</p> <ul style="list-style-type: none"> Create several models in SS | <p>Small Basic</p> <p>Write several programs in another language and produce drawings using codes.</p> <ul style="list-style-type: none"> Making decision Repeating Graphics Turtle Graphics Subroutines Arrays | <p>Scratch Programming</p> |
| 8 | <p>Functional Skills</p> <ul style="list-style-type: none"> File Management Create a poster in MS Publisher Spreadsheet | <p>E-safety & Formatting Health and Well-being and how to be a modelled citizen</p> <ul style="list-style-type: none"> Create a leaflet on staying safe online and the danger of | <p>Python Programming cont., (Stings, Print, variables, Selection & Turtle)</p> | <p>HTML & CSS Web Design & Programming</p> <ul style="list-style-type: none"> Use web development software to create a website on input, output | <p>Game Maker</p> <ul style="list-style-type: none"> Create various games using game maker software. This involves creating own sprites and | <p>Computational Thinking</p> <ul style="list-style-type: none"> Solve various problem problems using abstraction, decomposition, pattern |

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| | <ul style="list-style-type: none"> How to submit work on teams? <p>Non-ICT Lesson Binary Data Representation Carry out calculations and understand how computer interpret information</p> | <p>meeting people online. More emphasis on social media platform. Including equality and diversity</p> <p>Non-ICT Lesson Review of commonly use social media applications</p> <ul style="list-style-type: none"> terms and condition. Benefits and drawback to organisations and individuals Create storyboard <p>Flowchart Algorithms to create various instructions in everyday situations.</p> <p>Python Programming (Stings, Print, variables, Selection & Turtle)</p> | | <p>and storage devices.</p> | <p>intermediate codes</p> | <p>recognition, algorithms</p> |
| <p>9</p> | <p>Functional Skills</p> <ul style="list-style-type: none"> File Management Email etiquette Spreadsheet How to submit work on teams? | <p>E-safety & Formatting Health and Well-being and how to be a modelled citizen</p> <p>Create a newsletter on staying safe online. Also, incorporating anti-bullying. Also equality and diversity.</p> | <p>Mobile Phone Applications</p> <ul style="list-style-type: none"> Create mobile app for phone using appshed | <p>Intermediate - Python Programming (Stings, Print, variables, Selection & Turtle)</p> | <p>HTML, Advanced CSS & Javascript</p> <ul style="list-style-type: none"> Create an online radio station with web development software | <p>Game maker</p> <ul style="list-style-type: none"> Create a maze and platform game (Advance level) |

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| | Non-ICT Lesson Data Representation & Computer (intermediate) | | | | | |
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