












| Year 1   | National Curriculum Links  | Vocabulary   |  |
|--|--|--|--|
| <b>iAlgorithm</b><br>  | <ul style="list-style-type: none"> <li>understand what algorithms are; how they are implemented as programs on digital devices</li> <li>understand that programs execute by following precise and unambiguous instructions</li> <li>use logical reasoning to predict the behaviour of simple programs</li> <li>create and debug simple programs</li> </ul>         | <ul style="list-style-type: none"> <li>algorithm *</li> <li>instruction *</li> <li>sequence *</li> <li>program *</li> </ul>    | <ul style="list-style-type: none"> <li>debug *</li> <li>repeat *</li> <li>true *</li> <li>false *</li> </ul>           |
| <b>iProgram</b><br>   | <ul style="list-style-type: none"> <li>understand that programs execute by following precise and unambiguous instructions</li> <li>use logical reasoning to predict the behaviour of simple programs</li> <li>create and debug simple programs</li> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul> | <ul style="list-style-type: none"> <li>algorithm</li> <li>instruction</li> <li>sequence</li> <li>program</li> </ul>            | <ul style="list-style-type: none"> <li>debug</li> <li>repeat</li> <li>output</li> </ul>                                |
| <b>iWrite</b><br>      | <ul style="list-style-type: none"> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>   | <ul style="list-style-type: none"> <li>text *</li> <li>word</li> <li>processor *</li> <li>key *</li> <li>keyboard *</li> </ul> | <ul style="list-style-type: none"> <li>save *</li> <li>print *</li> <li>backspace *</li> <li>return/enter *</li> </ul> |
| <b>iData</b><br>  | <ul style="list-style-type: none"> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>  | <ul style="list-style-type: none"> <li>information *</li> <li>data *</li> <li>tally *</li> <li>pictogram *</li> </ul>          | <ul style="list-style-type: none"> <li>survey *</li> <li>graph *</li> <li>sort *</li> </ul>                            |
| <b>iModel</b><br>  | <ul style="list-style-type: none"> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>   | <ul style="list-style-type: none"> <li>model *</li> <li>algorithm</li> <li>instruction</li> <li>choice</li> </ul>              | <ul style="list-style-type: none"> <li>real</li> <li>imaginary</li> </ul>  |








 is vocabulary that is new to the year group



|  |  |   |  |
|--|--|---|--|
| <p><b>iSafe</b></p>       | <ul style="list-style-type: none"> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> <li>recognise common uses of information technology beyond school</li> </ul> | <ul style="list-style-type: none"> <li>personal information *</li> <li>trusted adult *</li> <li>permission *</li> <li>cyber bullying *</li> </ul>                                       |  |
| <p><b>iDraw</b></p>       | <ul style="list-style-type: none"> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>   | <ul style="list-style-type: none"> <li>line *</li> <li>fill *</li> <li>undo *</li> <li>brush *</li> <li>tools *</li> <li>paint *</li> <li>line *</li> </ul>                             | <ul style="list-style-type: none"> <li>shape</li> <li>colour</li> <li>eBook *</li> <li>import *</li> <li>upload *</li> <li>edit *</li> </ul> |
| <p><b>iLearnAI</b></p>  | <ul style="list-style-type: none"> <li>recognise common uses of information technology beyond school</li> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>  | <ul style="list-style-type: none"> <li>Artificial Intelligence (AI)*</li> <li>smart</li> <li>train*</li> <li>example</li> <li>categorise</li> <li>mistake</li> <li>reliable*</li> </ul> | <ul style="list-style-type: none"> <li>prompt*</li> <li>predict*</li> <li>program</li> <li>command</li> <li>simulate*</li> </ul>             |







 is vocabulary that is new to the year group



| Year 2  | National Curriculum Links  | Vocabulary   |
|---|--|--|
| <b>iProgram</b><br>     | <ul style="list-style-type: none"> <li>understand what algorithms are; how they are how implemented as programs on digital devices</li> <li>understand that programs execute by following precise and unambiguous instructions</li> <li>use logical reasoning to predict the behaviour of simple programs</li> <li>create and debug simple programs</li> </ul>                   | <ul style="list-style-type: none"> <li>algorithm</li> <li>instruction</li> <li>sequence</li> <li>program</li> <li>repeat</li> <li>test</li> <li>debug</li> </ul>   |
| <b>iPub</b><br>         | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>                | <ul style="list-style-type: none"> <li>World Wide Web *</li> <li>Network *</li> <li>Internet *</li> <li>Device *</li> <li>eBook</li> </ul>   |
| <b>iBlog</b><br>   | <ul style="list-style-type: none"> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul>                | <ul style="list-style-type: none"> <li>blog *</li> <li>post *</li> <li>comment *</li> <li>online *</li> <li>audio *</li> <li>video *</li> <li>link *</li> <li>respond *</li> <li>comment *</li> <li>justify *</li> </ul> |
| <b>iSearch</b><br>  | <ul style="list-style-type: none"> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul> | <ul style="list-style-type: none"> <li>World Wide Web</li> <li>network</li> <li>Internet</li> <li>Hyperlink *</li> <li>Search *</li> <li>URL *</li> </ul>  |

 is vocabulary that is new to the year group




| Year 2   | National Curriculum Links  | Vocabulary  |
|--|--|---|
| <b>iAnimate</b><br>  | <ul style="list-style-type: none"> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>   | <ul style="list-style-type: none"> <li>animation *</li> <li>scene *</li> <li>script *</li> <li>motion *</li> <li>storyboard *</li> <li>props *</li> </ul>                       |
| <b>iDo Mail</b><br>  | <ul style="list-style-type: none"> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>recognise common uses of information technology beyond school</li> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or</li> <li>contact on the internet or other online technologies</li> </ul> | <ul style="list-style-type: none"> <li>email *</li> <li>email address *</li> <li>to</li> <li>from</li> <li>attachment *</li> </ul>  |
| <b>iSafe</b><br>     | <ul style="list-style-type: none"> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul>  | <ul style="list-style-type: none"> <li>personal information</li> <li>trustworthy</li> <li>untrustworthy</li> <li>trusted adult</li> <li>internet *</li> <li>online *</li> </ul> |








 is vocabulary that is new to the year group








 is vocabulary that is new to the year group



| Year 3   | National Curriculum Links  | Vocabulary   |  |
|--|--|--|--|
| <b>iProgram</b><br>  | <ul style="list-style-type: none"> <li>understand that programs execute by following precise and unambiguous instructions</li> <li>use logical reasoning to predict the behaviour of simple programs</li> <li>create and debug simple programs</li> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>                             | <ul style="list-style-type: none"> <li>program</li> <li>sequence</li> <li>selection</li> <li>repeat *</li> </ul>   | <ul style="list-style-type: none"> <li>coordinates *</li> <li>x-y axis *</li> <li>import</li> <li>test</li> <li>debug</li> </ul> |
| <b>iNetwork</b><br>   | <ul style="list-style-type: none"> <li>understand computer networks including the internet; how they can provide multiple services, such as the world- wide web; and the opportunities they offer for communication and collaboration</li> </ul>   | <ul style="list-style-type: none"> <li>network</li> <li>network Switch *</li> <li>server *</li> <li>Wireless Access Point (WAP) *</li> <li>WIFI *</li> </ul> | <ul style="list-style-type: none"> <li>Router *</li> <li>Internet</li> <li>IP Address *</li> <li>URL</li> <li>DNS *</li> </ul>   |
| <b>iConnect</b><br>  | <ul style="list-style-type: none"> <li>understand computer networks including the internet; how they can provide multiple services, such as the world- wide web; and the opportunities they offer for communication and collaboration</li> <li>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> </ul> | <ul style="list-style-type: none"> <li>World Wide Web</li> <li>Network</li> <li>Internet</li> <li>Hyperlink</li> <li>Search</li> </ul>                       | <ul style="list-style-type: none"> <li>URL</li> <li>IP Address *</li> <li>Web browser *</li> <li>Copyright *</li> </ul>          |
| <b>iData</b><br>   | <ul style="list-style-type: none"> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>  | <ul style="list-style-type: none"> <li>field *</li> <li>record *</li> <li>database *</li> </ul>  | <ul style="list-style-type: none"> <li>data</li> <li>search</li> <li>sort *</li> </ul>   |
| <b>iPodcast</b><br>   | <ul style="list-style-type: none"> <li>understand computer networks including the internet; how they can provide multiple services, such as the world- wide web; and the opportunities they offer for communication and collaboration</li> </ul>   | <ul style="list-style-type: none"> <li>podcast *</li> <li>audio *</li> <li>record *</li> <li>effects *</li> </ul>  | <ul style="list-style-type: none"> <li>track *</li> <li>edit</li> <li>trim/crop *</li> </ul>                                     |

 is vocabulary that is new to the year group






|   |  |  |   |
|---|--|--|---|
| <p><b>iSimulate</b></p>  | <ul style="list-style-type: none"> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul> | <ul style="list-style-type: none"> <li>simulation *</li> <li>rules *</li> <li>choice *</li> <li>variables *</li> </ul>                                     | <ul style="list-style-type: none"> <li>pattern *</li> <li>predict *</li> <li>effect *</li> </ul>  |
| <p><b>isafe</b></p>      | <ul style="list-style-type: none"> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul>  | <ul style="list-style-type: none"> <li>like/dislike</li> <li>safe/unsafe</li> <li>public *</li> <li>private *</li> <li>share *</li> <li>block *</li> </ul> | <ul style="list-style-type: none"> <li>privacy settings *</li> <li>online sharing *</li> <li>consent *</li> <li>strong password *</li> <li>manipulation *</li> <li>pressure *</li> <li>advertising *</li> </ul> |

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 is vocabulary that is new to the year group






| Year 4   | National Curriculum Links  | Vocabulary   |   |
|--|--|--|---|
| <p><b>iProgram</b></p>    | <ul style="list-style-type: none"> <li>✓ design, write and debug programs that accomplish specific goals</li> <li>✓ use sequence and repetition in programs</li> <li>✓ use logical reasoning to explain how a simple algorithm works and detect and correct errors in algorithms and programs</li> <li>✓ solve problems by decomposing them into smaller parts</li> <li>✓ create and debug simple programs</li> <li>✓ understand that programs execute by following precise and unambiguous instructions</li> <li>✓ use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul> | <ul style="list-style-type: none"> <li>✓ program</li> <li>✓ sequence *</li> <li>✓ selection *</li> <li>✓ condition *</li> <li>✓ repeat</li> <li>✓ test</li> <li>✓ debug</li> </ul> | <ul style="list-style-type: none"> <li>✓ code</li> <li>✓ instruction</li> <li>✓ command *</li> <li>✓ variable *</li> <li>✓ execute *</li> </ul> |
| <p><b>iData</b></p>       | <ul style="list-style-type: none"> <li>✓ select, use and combine a variety of software (including internet services) on a range of digital devices to design</li> <li>✓ and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> <li>✓ (KS3 edited) understand how numbers can be represented in binary, and be able to carry out simple operations on</li> </ul>   | <ul style="list-style-type: none"> <li>✓ data</li> <li>✓ database *</li> <li>✓ record *</li> <li>✓ file *</li> <li>✓ field *</li> </ul>  | <ul style="list-style-type: none"> <li>✓ search</li> <li>✓ sort</li> <li>✓ search</li> <li>✓ chart</li> </ul>                                   |
| <p><b>iAnimate</b></p>  | <ul style="list-style-type: none"> <li>✓ select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul>   | <ul style="list-style-type: none"> <li>✓ animation</li> <li>✓ frame *</li> <li>✓ frame rate *</li> <li>✓ frames per second (FPS) *</li> <li>✓ CGI *</li> </ul>                     | <ul style="list-style-type: none"> <li>✓ Layer *</li> <li>✓ forward/backward *</li> </ul>   |

 is vocabulary that is new to the year group

|  |  |   |  |
|--|--|---|--|
| <p><b>iMail</b></p>       | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul>  | <ul style="list-style-type: none"> <li>email</li> <li>email address</li> <li>to</li> <li>from</li> <li>privacy *</li> <li>security *</li> <li>inbox *</li> </ul>  | <ul style="list-style-type: none"> <li>send *</li> <li>receive *</li> <li>server *</li> <li>attachment</li> </ul>  |
| <p><b>iLearn AI</b></p>   | <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals</li> <li>understand that programs execute by following precise and unambiguous instructions</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul> | <ul style="list-style-type: none"> <li>Intelligence *</li> <li>Artificial intelligence (AI) *</li> <li>Machine learning *</li> <li>data</li> <li>input</li> </ul>   | <ul style="list-style-type: none"> <li>training data *</li> <li>testing data *</li> <li>model</li> <li>prediction *</li> </ul>   |
| <p><b>iPhotoEdit</b></p>  | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>   | <ul style="list-style-type: none"> <li>image</li> <li>edit</li> <li>crop*</li> <li>rotate*</li> <li>undo/redo</li> <li>save</li> <li>effects*</li> <li>brightness*</li> <li>saturation*</li> <li>filter*</li> </ul> | <ul style="list-style-type: none"> <li>AI</li> <li>magic grab*</li> <li>duplicate</li> <li>copy*</li> <li>paste*</li> <li>resize*</li> <li>fake*</li> <li>collage*</li> <li>magic erase</li> <li>layer*</li> </ul> |
| <p><b>iSafe</b></p>     | <ul style="list-style-type: none"> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul>  | <ul style="list-style-type: none"> <li>privacy</li> <li>privacy settings</li> <li>keywords *</li> <li>copyright</li> <li>strong password</li> </ul>   | <ul style="list-style-type: none"> <li>spam *</li> <li>virus *</li> <li>cyberbullying</li> </ul>   |



 is vocabulary that is new to the year group




| Year 5   | National Curriculum Links   | Vocabulary   |
|--|---|--|
| <p><b>iCrypto</b></p>   | <ul style="list-style-type: none"> <li>Solve problems by decomposing them into smaller parts</li> <li>Use logical reasoning to explain how a simple algorithm works and detect and correct errors in algorithms and programs</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul>  | <ul style="list-style-type: none"> <li>cryptography *</li> <li>encrypt *</li> <li>decrypt *</li> <li>cipher *</li> <li>key *</li> <li>shift *</li> <li>binary *</li> <li>frequency analysis *</li> </ul>   |
| <p><b>iDraw</b></p>   | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul>   | <ul style="list-style-type: none"> <li>vector *</li> <li>canvas *</li> <li>resize *</li> <li>rotate *</li> <li>fill *</li> <li>stamp *</li> <li>group *</li> <li>layer *</li> <li>zoom *</li> <li>send to front *</li> <li>send to back *</li> <li>bring forward *</li> <li>send backward *</li> </ul> |
| <p><b>iModel</b></p>    | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul>   | <ul style="list-style-type: none"> <li>2d *</li> <li>3d *</li> <li>model</li> <li>resize</li> <li>rotate *</li> <li>zoom in *</li> <li>zoom out *</li> <li>group</li> </ul>  |
| <p><b>iProgram</b></p>   | <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals</li> <li>use sequence and repetition in programs</li> <li>use logical reasoning to explain how a simple algorithm works and detect and correct errors in algorithms and programs</li> <li>Solve problems by decomposing them into smaller parts</li> <li>create and debug simple programs</li> <li>understand that programs execute by following precise and unambiguous instructions</li> </ul> | <ul style="list-style-type: none"> <li>sequence</li> <li>selection</li> <li>condition</li> <li>repeat</li> <li>boolean *</li> <li>variable</li> <li>coordinates</li> <li>x-y axis</li> </ul>   |




 is vocabulary that is new to the year group



|  |   |  |
|--|---|--|
| <p><b>iWeb</b></p>    | <ul style="list-style-type: none"> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>understand computer networks including the internet; how they can provide multiple services, such as the world- wide web; and the opportunities they offer for communication and collaboration</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul> | <ul style="list-style-type: none"> <li>World Wide Web</li> <li>HTML *</li> <li>CSS *</li> <li>element *</li> <li>Tags *</li> </ul>   |
| <p><b>iEditVideo</b></p>   | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals</li> </ul>   | <ul style="list-style-type: none"> <li>storyboarding</li> <li>sound</li> <li>script</li> <li>framing*</li> <li>angles</li> <li>lighting</li> <li>clips* (pages)</li> <li>editing</li> <li>trimming*</li> <li>timeline*</li> <li>transitions*</li> <li>background music</li> <li>sound effects</li> <li>overlays*</li> <li>filters*</li> <li>effects</li> <li>export</li> </ul> |
| <p><b>isafe</b></p>  | <ul style="list-style-type: none"> <li>use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul>   | <ul style="list-style-type: none"> <li>communication</li> <li>safe</li> <li>technology</li> <li>risk</li> <li>benefit</li> <li>personal</li> </ul>   |






 is vocabulary that is new to the year group



| Year 6  | National Curriculum Links  | Vocabulary   |   |
|---|--|--|---|
| <p>iProgram</p>   | <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul> | <ul style="list-style-type: none"> <li>sequence</li> <li>selection</li> <li>condition</li> <li>repeat</li> <li>boolean</li> <li>variable</li> <li>procedure *</li> <li>execute</li> <li>test</li> <li>debug</li> </ul> | <ul style="list-style-type: none"> <li></li> </ul>  |
| <p>iApp</p>   | <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> </ul>   | <ul style="list-style-type: none"> <li>input</li> <li>output</li> <li>events *</li> <li>properties *</li> <li>pseudo-code *</li> <li>syntax *</li> <li>assets *</li> <li>parameters *</li> <li>argument *</li> </ul>   | <ul style="list-style-type: none"> <li>function *</li> <li>procedure</li> <li>event handler *</li> <li>variable</li> <li>test</li> <li>debug</li> </ul> |



 is vocabulary that is new to the year group



|  |   |   |   |
|--|---|---|---|
| <p><b>iNetwork</b></p>    | <ul style="list-style-type: none"> <li>understand computer networks including the internet; how they can provide multiple services, such as the world- wide web; and the opportunities they offer for communication and collaboration</li> <li>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> </ul> | <ul style="list-style-type: none"> <li>network</li> <li>router</li> <li>internet</li> <li>World Wide Web</li> <li>IP address</li> <li>URL</li> </ul>  | <ul style="list-style-type: none"> <li>data</li> <li>packet *</li> <li>search engine *</li> <li>rank *</li> <li>html</li> </ul>   |
| <p><b>iSafe</b></p>        | <ul style="list-style-type: none"> <li>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> </ul>   | <ul style="list-style-type: none"> <li>privacy</li> <li>privacy settings</li> <li>security</li> <li>two-factor (or step) verification *</li> <li>encryption</li> <li>hack *</li> <li>strong password</li> <li>personal information</li> </ul> | <ul style="list-style-type: none"> <li>bullying</li> <li>cyberbullying</li> <li>conflict</li> <li>bystander *</li> <li>upstander *</li> <li>harassment *</li> <li>report</li> <li>block</li> <li>abuse</li> </ul> |
| <p><b>iModel</b></p>   | <ul style="list-style-type: none"> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul>  | <ul style="list-style-type: none"> <li>2D</li> <li>3D</li> <li>dimensions</li> <li>model</li> <li>graphics</li> </ul>   | <ul style="list-style-type: none"> <li>resize</li> <li>rotate</li> <li>design</li> <li>evaluate</li> <li>pan *</li> <li>orbit *</li> <li>zoom</li> </ul>  |

 is vocabulary that is new to the year group



| Year 6   | National Curriculum Links  | Vocabulary  |  |  |  |
|--|--|---|--|--|--|
| <p>iLearnAI</p>   | <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul> | <ul style="list-style-type: none"> <li>artificial intelligence</li> <li>machine learning</li> <li>model</li> <li>learning model</li> <li>input</li> <li>data</li> </ul> | <ul style="list-style-type: none"> <li>dataset</li> <li>algorithm</li> <li>prediction</li> <li>classify *</li> <li>category *</li> <li>bias *</li> </ul> |  |  |
| <p>iMicrobit</p>  | <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> </ul>   | <ul style="list-style-type: none"> <li>micro:bit,*</li> <li>algorithm</li> <li>input</li> <li>output</li> <li>abstraction</li> </ul>                                    | <ul style="list-style-type: none"> <li>variable</li> <li>accelerometer*</li> <li>sensor</li> <li>timer</li> <li>reset</li> <li>LED*</li> </ul>           | <ul style="list-style-type: none"> <li>logic</li> <li>condition</li> <li>if..then..else</li> <li>light</li> <li>temperature</li> <li>selection</li> <li>simulation</li> <li>model</li> </ul> |  |

 is vocabulary that is new to the year group

