



# PURBROOK INFANT SCHOOL

*Learning and growing together*

## Year 2 Medium Term Planning

| <b>Autumn A</b><br><i>Computer Science</i>   | <b>Autumn B</b><br><i>Information Technology</i>                                 | <b>Spring A</b><br><i>Computer Science</i>   | <b>Spring B</b><br><i>Digital Literacy</i>                            | <b>Summer A</b><br><i>Computer Science</i>                                     | <b>Summer B</b> |
|--|--|--|---|--|-----------------|
| - To be able to explain what an algorithm is | - To be able to understand what a search engine is                               | - To be able to understand what an algorithm is                                      | - To be able to explain why some emails are unsafe                    | - To be able to create simple algorithms                                       | -               |
| - To be able to record an algorithm          | - To be able to explore how a search engine works                                | - To be able to understand how algorithms are used in programs                       | - To be able to decide whether an email is safe                       | - To be able to change the parameters of an algorithm                          | -               |
| - To be able to debug an algorithm           | - To be able to use a search engine to research                                  | - To be able to apply this understanding to make a simple program using an algorithm | - To be able to take the appropriate actions if concerned by an email | - To be able to make an object interact with another object using an algorithm | -               |
| - To be able to decompose an algorithm       | - To be able to recognise that not all information from the internet is reliable | - To be able to design how a game looks  | - To be able to understand the headers of an email                    | - To be able to add text   | -               |
| - To be able to evaluate an algorithm        |  | - To be able to write a program that controls how a character moves                  | - To be able to compose and respond to emails                         | - To be able to add variables  | -               |
|  |  | - To be able to record a code  | - To be able to record information using technology                   |  | -               |
|  |  | - To be able to add variables to my code   | - To be able to create a simple database with some support            |  |                 |