# Computing

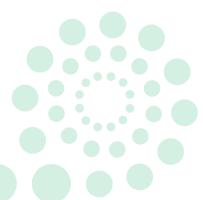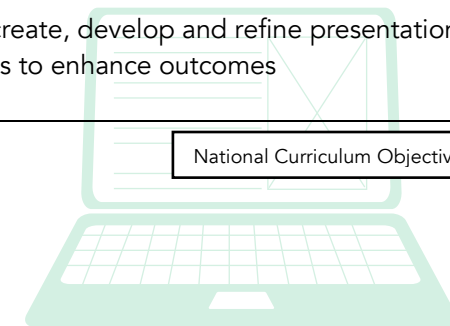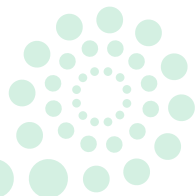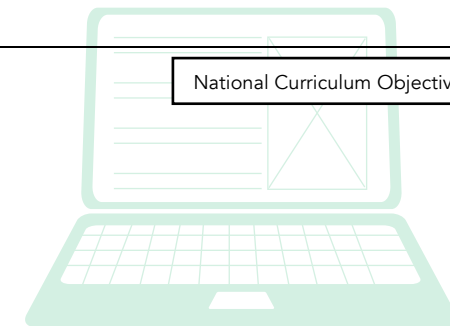| 'I HAVE A DREAM…' | COME AND FLY WITH ME! AMERICA |
|---|---|
| **MULTIMEDIA** | **DATA HANDLING / MULTIMEDIA** |
| • To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information | • To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content <br> • To 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 |
| • To use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes <br> • To select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information | • To use ICT to explore and develop simple models by changing variables and simple formulae <br> • To answer questions by using ICT to identify, collect, store, analyse and present information <br> • To analyse, describe and discuss the effectiveness of my work with ICT <br> • To represent data from analysis in appropriate ways, including the use of graphs <br> • To use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes |

National Curriculum Objectives = 🟦

# Computing

## A WORLD OF BRIGHT IDEAS!

### COMPUTER SCIENCE

- To use technology safely, respectfully and responsibly; recognise acceptable / unacceptable behaviour; identify a range of ways to report concerns about content and contact
- To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- To use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

- To use ICT to create and refine sequences of instructions to explore problems and make controllable systems
- To analyse, describe and discuss the effectiveness of my work with ICT
- To select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- To use ICT safely, respectfully and responsibly, managing risk and showing awareness of other users
- To use sequence, selection, and repetition in programs

National Curriculum Objectives = 🟦

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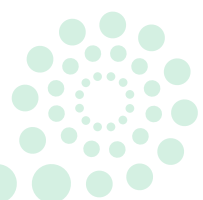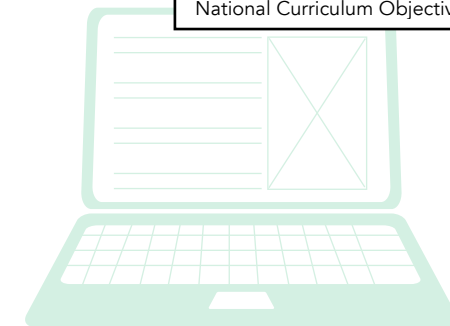| MISSION CONTROL | GLOBAL WARNING |
|---|---|
| **MULTIMEDIA**<br>• To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content<br>• To select, use and combine a variety of software (including internet services) on a range of 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<br><br>• To verify the accuracy and reliability of the information found online, detect bias and distinguish evidence from opinion<br>• To use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes | **MULTIMEDIA**<br>• To 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<br><br>• To use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes<br>• To organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication<br>• To use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions |

National Curriculum Objectives = 🟦

# Computing

| FULL OF BEANS | WARS OF THE WORLD | YOU'RE NOT INVITED |
|---|---|---|
| **MULTIMEDIA**<br><br>• To 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<br><br><br>• To use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes<br>• To organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication<br>• To use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions | **MULTIMEDIA**<br><br>• To 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<br><br><br>• To organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication<br>• To use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions | **CAD (COMPUTER-AIDED DESIGN)**<br><br>• To 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<br>• To use technology safely, respectfully and responsibly; recognise acceptable / unacceptable behaviour; identify a range of ways to report concerns about content and contact<br><br>• To use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions<br>• To use ICT safely, respectfully and responsibly, managing risk and showing awareness of other users<br>• To analyse, describe and discuss the effectiveness of their work with ICT<br>• To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content |

National Curriculum Objectives = ▢