

NEW NATIONAL CURRICULUM – 2014

SUBJECT AREA: Computing

End of year expectations:

Year 1

Understand what algorithms are
Create simple programs
Use technology purposefully to create digital content
Use technology purposefully to store digital content
Use technology purposefully to retrieve digital content
Use technology safely
Keep personal information private
Recognise common uses of information technology beyond school

End of year expectations:

Year 2

Understand that algorithms are implemented as programs on digital devices
Understand that programs execute by following precise and unambiguous instructions
Debug simple programs
Use logical reasoning to predict the behaviour of simple programs
Use technology purposefully to organise digital content
Use technology purposefully to manipulate digital content
Use technology respectfully
Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

End of year expectations:

Year 3

Write programs that accomplish specific goals
Use sequence in programs
Work with various forms of input
Work with various forms of output
Use search technologies effectively
Use a variety of software to accomplish given goals
Collect information
Design and create content
Present information
Use technology responsibly
Identify a range of ways to report concerns about contact

End of year expectations:

Year 4

Design programs that accomplish specific goals
Design and create programs
Debug programs that accomplish specific goals
Use repetition in programs
Control or simulate physical systems
Use logical reasoning to detect and correct errors in programs
Understand how computer networks can provide multiple services, such as the World Wide Web
Appreciate how search results are selected
Select a variety of software to accomplish given goals
Select, use and combine internet services
Analyse information
Evaluate information
Collect data
Present data
Understand the opportunities computer networks offer for communication
Identify a range of ways to report concerns about content
Recognise acceptable/unacceptable behaviour

End of year expectations:

Year 5

Solve problems by decomposing them into smaller parts
Use selection in programs
Work with variables
Use logical reasoning to explain how some simple algorithms work
Use logical reasoning to detect and correct errors in algorithms
Understand computer networks, including the internet
Appreciate how search results are ranked
Combine a variety of software to accomplish given goals
Select, use and combine software on a range of digital devices
Analyse data
Evaluate data
Design and create systems
Understand the opportunities computer networks offer for collaboration
Be discerning in evaluating digital content

End of year expectations:

Year 6

Solve problems by decomposing them into smaller parts
Use selection in programs
Work with variables
Use logical reasoning to explain how some simple algorithms work
Use logical reasoning to detect and correct errors in algorithms
Understand computer networks, including the internet

Appreciate how search results are ranked
Combine a variety of software to accomplish given goals
Select, use and combine software on a range of digital devices
Analyse data
Evaluate data
Design and create systems
Understand the opportunities computer networks offer for collaboration
Be discerning in evaluating digital content