

# National Curriculum 2014

## Computing



# Changes to the existing curriculum for 2014



**Computing is a new subject and replaces what was previously known as ICT**

**The following therefore are all new objectives:**

## **KS1 –**

- Understand what algorithms are; how they are implemented as programs on digital devices; and that programmes execute by following precise and unambiguous instructions
- Create and debug simple programs
- Use logical reasoning to predict the behaviour of simple programs
- Recognise common uses of information technology beyond school
- 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

## **KS2 –**

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

**How we have organised the national curriculum Computing objectives across each year group and each term.**



- See separate document

## So what does this look like in reality at Friars...



- Teachers and children will continue to receive support from the package we have bought into from Wandsworth CLC (The LA are paying for this)
- A large investment has been made in updating our ICT infrastructure including new desktops, laptops and ipads.
- Hannah Reuben has bought a published scheme of work that teachers can use and we also have all of the associated software (including ipad apps) in order for it to be taught.
- The scheme of work is to be used flexibly across the year to tie in with different CLJ units apart from in Y6 where it is sequential and so may need to be taught discretely.