



# Windows in the Computing Curriculum



Turn IT n!



Complete ICT solutions for primary schools...

# Key Stage 1

## Algorithms, coding & programming

1. understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions
2. create and debug simple programs
3. use logical reasoning to predict the behaviour of simple programs

## What you're already covering

4. use technology purposefully to create, organise, store, manipulate and retrieve digital content.
5. recognise common uses of information technology beyond school.
6. 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.



Turn IT n!



Complete ICT solutions for primary schools...

# Key Stage 2

## Algorithms, coding & programming

1. design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
2. use sequence, selection, and repetition in programs; work with variables and various forms of input and output
3. use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

## Networks and Search Engines

4. 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
5. use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

## What you're already covering

6. 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
7. use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact



Turn IT  on!



Complete ICT solutions for primary schools...



# How can Windows help?

- **Surface Pro tablets/Hybrid Laptops are fully networkable... Taking your network anywhere!**
- **Apps and Software can be installed on to the devices.**
- **More and more apps being added to Windows store.**
- **Range of devices available from small tablets to TV sized tablets!**



**Turn IT  on!**



Complete ICT solutions for primary schools...



# What Apps could you use?

- Kodu – 3D games design and programming
- CreateBook – Design and create you own eBook
- Office 365 – Word, PowerPoint, Excel, Publisher
- Scratch – Building Block coding
- Physamajig – Create mini games (close links to physics)
- Math Quiz – Times tables practice in timed challenges
- Let's Spell – Phonics practice
- National Zoo – Video clips of various animals
- Encyclopedia Britannica – Digital research





# Kodu Demo

Kodu is a fantastic app that allows you to design, build and code a 3D game that you can then export out to play on a windows device such as an Xbox!



Turn IT n!



Complete ICT solutions for primary schools...