

What I should know already...

In year 5 the children will have learnt the importance of the design process. They will have designed, written, tested, debugged and implemented a variety of programs.

Key Skills

To use sequence, selection, and repetition in programs	Children to demonstrate these skills using the range of software packages below.
To solve problems by decomposing them into smaller parts	Children to demonstrate these skills using the range of software packages below.
To demonstrate the skills from the national curriculum	Children to use free code and J2E to create their own programs for a specific purpose.
To demonstrate testing, debugging and implementing.	Use the advanced features of 2code Gorilla to debug and test systems they have been given.
To investigate other coding programmes	Investigate and look at Python and Minecraft for education.

Hardware and software

2 logo, ruby ring, Taj trouble
 Create own logo on 2 logo
 J2E code- logo basic 2 code gibbon: Helicopter swipe game (refresh ready to create their own games, Turtle crossing the road, send the rocket to space, catching game, driving game, dancer, 2 go game, football game feed the duck
 Debug challenges gorilla
 Free gorilla
 J2E year 6 examples.



Hurst Hill Primary School Learning Together

Key Vocabulary	
IF	An instruction to tell the computer what do if certain criteria are met.
Control	To give the computer instructions to carry out a certain function.
Trigger	Something that happens that makes the computer carry out a certain task.
Input	Information fed into a computer.
Variables	A set of inputs that can change.
Boolean	True or false statements. Logic statements used in computer programme.
Implement	Put the code into action.
Collision	When objects bump into one another.
WHAT IF ELSE	Set multiple possible solutions to an input that is detected.

National Curriculum

Pupils will:

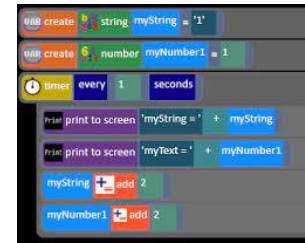
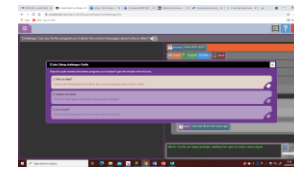
Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts

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

Real World

Use the set software packages to demonstrate the skills from the national curriculum.



Useful websites

<https://www.thinkuknow.co.uk/> If you want to know more about staying safe online

www.hursthillprimaryschool.com/unify Hurst Hill unify site to access emails and applications-**J2E and Scratch**

www.hursthillprimaryschool.com The school website

bbc.co.uk/cbbc Dr who and the Darleks game– explains what Boolean is.

www.childline.org.uk contact ChildLine if you are worried about anything

Online safety

I can explain how I would report online bullying on the apps and platforms that I use.
 I can describe the helpline services who can support me and what I would say and do if I needed their help (e.g. Childline).

I can describe ways technology can affect healthy sleep and can describe some of the issues.

I can describe some strategies, tips or advice to promote healthy sleep with regards to technology.