

What I need to know: Y6 ICT – Sensing

We nurture the curiosity to learn, the courage to lead and the compassion to care.

Name:

Class:

For this term we are looking into online safety as well as Sensing

What I will know...	✓	Start	End
How to create a program to run on a controllable device		<input type="radio"/>	<input type="radio"/>
How selection can control the flow of a program		<input type="radio"/>	<input type="radio"/>
How to use a variable in an if, then, else statement to select the flow of a program		<input type="radio"/>	<input type="radio"/>
How to use a condition to change a variable		<input type="radio"/>	<input type="radio"/>
How to use an conditional statement to compare a variable to a value		<input type="radio"/>	<input type="radio"/>
How to use an operand (e.g. <=>) in an if, then statement		<input type="radio"/>	<input type="radio"/>
How to design a project that uses inputs and outputs on a controllable device		<input type="radio"/>	<input type="radio"/>
How to develop a program to use inputs and outputs on a controllable device		<input type="radio"/>	<input type="radio"/>

Skills I may use...	
Remember: name, identify, describe	Analyse: investigate, infer, select, clarify
Understand: predict, recall, interpret	Create: plan, design, construct
Apply: use, show, relate, demonstrate	Evaluate: compare, assess, judge

Vocabulary I need to know...		
1. I have heard the word, but I don't know what it means	2. I understand what the word means	3. I can explain what the word means and give other examples
Micro:bit, MakeCode, input, process, output, flashing, USB, Selection, condition, if then else, random, Input, selection, condition, sensing, accelerometer, Compass, direction, variable, navigation, design, task, algorithm, step counter		

Opportunities to support English and maths
<ul style="list-style-type: none"> Skim and scan texts to retrieve information or quotes quickly and accurately Summarise main ideas from more than one paragraph Make and justify inferences with appropriate evidence from the text Provide reasoned justifications for their views, quoting evidence from across a text

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none"> Design and technology – KS2 Generate, develop, model and communicate their ideas through discussion, annotated sketches Mathematics – KS2 (Y6) Recognise, describe and build simple number sentences and algorithms

Respect

Responsibility

Reflection

Resilience