

# Computing Curriculum and Knowledge Map



Communication and Collaboration (Y6) I can describe how data is transferred across the	Programming B (Y5) Selection in Quizzer I can define selection and create a program that uses	S I can define a 'variable' as something that changes –	Programming B (Y6) Sensing Movement I can create a program to run on a controllable device – basic I can compare selection on a	
internet and know why this would be useful – basic I can identify different ways of working together online - advancing	selection to produce different outcomes - basic I can identify ways to debug my program - advancing I can recommend ways to	basic I can explain why a variable is used in a program - advancing I can recommend ways that other projects could be	program to conditions in the real world - advancing I can prove the importance of the order of conditions in 'elseif' statements and	<ul> <li>use two or more programming languages, least one of which is textual, to solve a var of computational problems.</li> </ul>
I can draw conclusions on different methods of	improve a program – deep	improved through the use of variables - deep	recommend ways to modify a program to meet a different	<ul> <li>understand simple Boolean logic [for exan AND, OR and NOT] and its use in program</li> </ul>
	gramming A (Y5) - ection in Physical	Systems and Searching	outcome - deep	Programming B (Y6) - Sensing Movement
microcontroller – ba I can create a progra controlled loops and flow of a program – I can identify how to	m that uses count- selection to direct the basic	Describe the roles of computer systems in our lives – Basic Create a web search to find specific information and refine this – Basic Explain that a search engine follows rules to rank results – Advancing	YEAR Contraction	an create a program to run on a controllable device vasic an describe the importance of the order of nditions in 'else,if' statements - basic an explain that selection can control the flow of a ogram and identify examples of conditions in the al world – advancing
Communica Collaborati		Programming B (Y5 Selection in Quizze		Programming A (Y6) -
websites – basic	formed a supervalue	computer programs - basic I can create a program that uses selection	to produce basic	e a 'variable' as something that changes –
I can describe how data is tran- internet and know why this wo I can compare different metho on the internet - advancing	uld be useful – basic	different outcomes – basic I can identify ways to debug my program -	- advancing I can creat basic I can ident	e a project on Scratch that uses a variable – ify ways to improve a program, adding ndependently - advancing
internet and know why this wo I can compare different metho on the internet - advancing gramming A (Y5) - ection in Physical Computing	uld be useful – basic ds of communicating	different outcomes – basic I can identify ways to debug my program -	advancing l can creat basic l can ident variables i	ify ways to improve a program, adding ndependently - advancing
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### Introduction to Spreadsheets

(Y6) I can Create a dataset in a spreadsheet by applying an appropriate format to a cell – Basic I can Create a formula which includes a range of cells – Basic

I can Explain why data should be organised to answer questions using a spreadsheet - Advancing

I can Name the different types of media and common features used on websites -Basic

I can Describe how to find copy-right free images and know why I should use these – Basic

I can Identify and suggest edits to my website to improve user experience – Advancing

## Web Page Creation (Y6) Flat-file Databases (Y5)

I can Describe how information can be recorded -Basic

I can Label a field, record and value in a database – Basic I can Identify which field and value are required to answer a given question – Advancing

### Video Production (Y5)

I can list the features of effective videos - Basic I can create digital media (video) using a range of techniques – Basic I can explain how to improve a video through reshooting and editing - Advancing

