

# S4 National 5 Timeline

Month	Unit	Content	HW/Assessment
JUN	Software Design and Development	<ul style="list-style-type: none"> <li>• Software Development Process</li> <li>• VB Practical</li> <li>• Variable types (character, string, numeric {integer and real} and Boolean)</li> <li>•</li> </ul>	
JUN	Software Design and Development	<ul style="list-style-type: none"> <li>• Describe, exemplify, and implement the appropriate constructs in a high-level (textual) language: expressions to assign values and expressions to return values using arithmetic operations (addition, subtraction, multiplication, division, and exponentiation)</li> </ul>	SDD HW 1
JUN	Software Design and Development	<ul style="list-style-type: none"> <li>• expressions to concatenate strings</li> <li>• selection constructs using complex conditional statements and logical operators (AND, OR, NOT)</li> <li>• VB Practical</li> </ul>	
AUG	Software Design and Development	<ul style="list-style-type: none"> <li>• selection constructs using complex conditional statements - nested IF statements</li> <li>• VB Practical</li> </ul>	
AUG	Software Design and Development	<ul style="list-style-type: none"> <li>• Fixed loops</li> <li>• Fixed loops with running total</li> <li>• VB Practical</li> </ul>	SDD HW2
SEP	Software Design and Development	<ul style="list-style-type: none"> <li>• Running Total Algorithm</li> <li>• Tasks on Running Total</li> <li>• VB Practical</li> </ul>	
SEP	Software Design and Development	<ul style="list-style-type: none"> <li>• Conditional Loop</li> <li>• Post and pre conditional loop</li> <li>• VB Practical</li> </ul>	SDD HW3
SEP	Software Design and Development	<ul style="list-style-type: none"> <li>• Input Validation algorithm</li> <li>• Tasks on Input Validation</li> <li>• Tasks on input Validation and running total</li> </ul>	½ block test
SEP	Software Design and Development	<ul style="list-style-type: none"> <li>• Pre defined fuctions – LEN, RND, ROUND</li> <li>• Tasks with pre defined functions</li> <li>• Tasks with pre defined functions</li> </ul>	SDD HW4
OCT	Software Design and Development	<ul style="list-style-type: none"> <li>• Quad Bikes Task</li> <li>• Quad Bikes Task</li> <li>• Quad Bikes Task</li> </ul>	
OCT	Software Design and Development	<ul style="list-style-type: none"> <li>• Introduction to arrays</li> <li>• Using a loop to traverse an array</li> <li>• Practical on using arrays</li> </ul>	
OCT	Software Design and Development	<ul style="list-style-type: none"> <li>• Practical on using arrays</li> <li>• Tasks combining arrays, repetition, Selection and standard algorithms</li> </ul>	SDD HW 5

		<ul style="list-style-type: none"> <li>• Tasks combining arrays, repetition, Selection and standard algorithms</li> <li>• Music Tracks program</li> </ul>	
<b>NOV</b>	Software Design and Development	<ul style="list-style-type: none"> <li>• Music Tracks Program</li> <li>• Testing a program</li> <li>• Evaluating a program – readability, robustness, efficiency</li> </ul>	SDD Block Test
<b>NOV</b>	Software Design and Development	<ul style="list-style-type: none"> <li>• Tasks combining arrays, repetition, Selection and standard algorithms</li> <li>• Tasks combining arrays, repetition, Selection and standard algorithms</li> <li>• Tasks combining arrays, repetition, Selection and standard algorithms</li> </ul>	SDD HW 6
<b>NOV</b>	Software Design and Development	<ul style="list-style-type: none"> <li>• Revision of SDD (exam type questions)</li> <li>• Revision of SDD (exam type questions)</li> <li>• Revision of SDD (exam type questions)</li> </ul>	
<b>NOV</b>	Software Design and Development	<ul style="list-style-type: none"> <li>• Revision of SDD,DDD,WDD and CS (exam type questions)</li> <li>• Revision of SDD,DDD,WDD and CS (exam type questions)</li> <li>• Revision of SDD,DDD,WDD and CS (exam type questions)</li> </ul>	SDD HW 7
<b>DEC</b>	Prelims	Prelim During this time revision work can be attempted or practical work	
<b>DEC</b>	Prelims	Prelim During this time revision work can be attempted or practical work	
<b>DEC</b>	Revision for SQA Assignment	<ul style="list-style-type: none"> <li>• Pupils attempt SQA coursework SDD and DDD from 2018 to 2022</li> </ul>	
<b>JAN</b>	Revision for SQA Assignment	Pupils attempt SQA coursework SDD and DDD from 2018 to 2022	Revision HW 1
<b>JAN</b>	Revision for SQA Assignment	<ul style="list-style-type: none"> <li>• Pupils attempt SQA coursework SDD and DDD from 2018 to 2022</li> </ul>	
<b>JAN</b>	Revision for SQA Assignment	<ul style="list-style-type: none"> <li>• Pupils attempt SQA coursework SDD and DDD from 2018 to 2022</li> </ul>	Revision HW 2
<b>JAN</b>	Trial Coursework	<ul style="list-style-type: none"> <li>• Pupils attempt SQA coursework SDD and DDD from 2018 to 2022</li> </ul>	
<b>FEB</b>	Trial Coursework	<ul style="list-style-type: none"> <li>• Pupils attempt SQA coursework SDD and DDD from 2018 to 2022</li> </ul>	Revision HW 3
<b>FEB</b>	SQA Assignment	<ul style="list-style-type: none"> <li>• SQA Assignment</li> </ul>	

<b>FEB</b>	SQA Assignment	<ul style="list-style-type: none"> <li>• SQA Assignment</li> </ul>	
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<b>MAR</b>	SQA Assignment	<ul style="list-style-type: none"> <li>• SQA Assignment (extra time and mop up for absences)</li> </ul>	
<b>MAR</b>	Revision for SQA exam	<ul style="list-style-type: none"> <li>• SQA past paper questions and use of PP and P&amp;N papers</li> </ul>	
<b>MAR</b>	Revision for SQA exam	<ul style="list-style-type: none"> <li>• SQA past paper questions and use of PP and P&amp;N papers</li> </ul>	Revision HW 4
<b>MAR</b>	Revision for SQA exam	<ul style="list-style-type: none"> <li>• SQA past paper questions and use of PP and P&amp;N papers</li> </ul>	
<b>APR</b>	Revision for SQA exam	<ul style="list-style-type: none"> <li>• SQA past paper questions and use of PP and P&amp;N papers</li> </ul>	Revision HW 5
<b>APR</b>	Revision for SQA exam	<ul style="list-style-type: none"> <li>• SQA past paper questions and use of PP and P&amp;N papers</li> </ul>	