

GCSE Computer Science Challenge Grid

<p align="center"><b>1</b></p> <p>Send an Email to a friend that you have not spoken to recently. Find out how they are and have a catch up.</p>	<p align="center"><b>2</b></p> <p>Only 5 people did the online test and track on Friday (17<sup>th</sup> April) If you have done the test well done. If not you need to go to: <a href="#">test&amp;track</a>. -Then go to select the level: GCSE -Then the topic: 4 Wired Wireless -Then select Quiz Final Test 11 (Please have a go at 10 the Practice, before you have a go at 11- the final test) -The Password for Final Test 11 is: netschool</p>	<p align="center"><b>3</b></p> <p>Watch the following YouTube video: <a href="#">Link</a> Your task is to promote Computer Science to students in Year 9 that currently deciding on their options for next year. You need to pick a suitable piece of software that will keep the students engaged (Animation / Video / Podcast)</p>	<p align="center"><b>4</b></p> <p>Find 10 different jobs where you have to be able to read computer code. What is the job, what qualifications are needed, how many hours do they work per week, what is the average salary for this job. What software do they use and how does this software help them do their job?</p>	<p align="center"><b>5</b></p> <p>Help someone in your family with a computer based task. Write down what you did and what you found easy as well as anything new you have learnt during this experience.</p>	<p align="center"><b>6</b></p> <p>Write a help sheet on how to create a simple Quiz using Python code. Take snips and explain these screen shots step by step. The target audience for this task is Year 7 students Use the following link for ideas <a href="#">link</a></p>
<p align="center"><b>7</b></p> <p>Teach yourself a new practical skill. Such as using a new app on your phone, learning a new programming language on your computer <a href="#">Help link</a></p>	<p align="center"><b>8</b></p> <p>Research using the internet someone who has been very successful in the Computer industry. What has happened in their life across the age stages? How has this affected their life? Write a summary review.</p>	<p align="center"><b>9</b></p> <p>Create a revision guide that gives an overview on the topic previously studied- Memory (1.2) Use your previous work to help (1.2 workbook, theory notes made on OneNote) <a href="#">Help link</a></p>	<p align="center"><b>10</b></p> <p>Test and Track 1.2 Memory. I have checked many of your accounts and there are quite a few gaps within this section on test and track. Work your way through all of the sections: Types of Memory, Ram and ROM, DRAM and SRAM, Virtual Memory, Practice Test, Flash Memory</p>	<p align="center"><b>11</b></p> <p>Research task- The Corona Virus is obviously big news at the moment. When we finally come out of lockdown there is talk of an app being available to track everyone?. Do some research on this topic. Find out if other countries already have this in place? How does this technology work? What will the interface look like? What hardware and software is needed in order for this to work?</p>	<p align="center"><b>12</b></p> <p>Read a newspaper or an article from the BBC News website on a recent Computer Science related topic.</p>
<p><b>NEW-13:</b> Python Clueless Lesson 1-4 Lists/index/modify/search/random module/range/random choice <a href="#">Teach ICT</a> <b>Username: s361fd</b> <b>Password: kilobyte1</b> You will also need to download Python click on the link below: <a href="#">Download Python</a> Watch Lesson 1-4 video and complete the tasks</p> 	<p><b>NEW-14</b> Python getting there Use the slideshow for guidance: "Python WALT and WILF" Input strings numbers into variables objective 2 main tasks Objective 2 challenges Help I'm stuck objective 2</p>	<p><b>NEW-15</b> Python got it String manipulation Objective 3 main tasks Objective 3 challenges Help I'm stuck objective 3</p>	<p><b>NEW-16</b> Python owned it Using selection statements Objective 4 main tasks Objective 4 challenges Help I'm stuck objective 4</p>	<p><b>NEW-17</b> Python I'm Amazing Arithmetic operations Objective 5 main tasks Objective 5 challenges Help I'm stuck objective 5</p>	<p><b>NEW-18</b> Python Extension 1 Counter controlled iterations Objective 6 main tasks Objective 6 challenges Help I'm stuck objective 6</p>

NEW-19 Python Extension 2 Condition controlled iterations Objective 7 main tasks Objective 7 challenges Help I'm stuck objective 7	NEW-20 Python Extension 3 Subroutines procedures functions Objective 8 main tasks Objective 8 challenges Help I'm stuck objective 8	NEW-21 Python Extension 4 Arrays and lists Objective 9 main tasks Objective 9 challenges Help I'm stuck Objective 9	NEW- 22 Python Extension 5 Serial files Objective 10 main tasks Objective 10 challenges Help I'm stuck Objective 10	NEW-23 Python Extension 6 Exceptions and validation Objective 11 main tasks Objective 11 challenges Help I'm stuck Objective 11	