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| **Subject:** Computer Science |
| **Task:** |
| Fill in the Computer Science Transition workbook, use the video links and absolutes when needed. |
| **Why is this required for September?** |
| To investigate emerging computer technology and support your understanding of the 5 different computational thinking strands that link into the course specification. |
| **What Assessment/Feedback should you expect?** |
| We will check and mark this to ensure you are prepared for the course and test your knowledge around the topics in September.  |
| **Time this task (s) should take:** |
|  These tasks will take at least a few hours done properly and further work on learning a new language to help you with your programming project would be beneficial. |
| **Suggested links or other resources to support:** |
| [https://student.craigndave.org/](https://student.craigndave.org/videos/slr-17-ethical-moral-and-cultural-issues) |
| **Optional Extra tasks:** |
| Learning to “code” is a fun and essential part of A Level Computer Science. This task is ideal if you haven't done the GCSE in Computer Science or you simply want a nice refresher ahead of starting your A Level course.1. Head over to the web site: <https://www.learnpython.org/>
2. Complete the following python tutorials under the heading:

• Hello, World!• Variables and Types• Lists• Basic Operators• String Formatting• Basic String Operations• Conditions• Loops• Functions1. Each section presents you with theory, code to run and exercises to try out.
2. If you want to practice writing your own python programs you can download and install a simple python development tool here: <https://www.python.org/downloads/>

If you are confident with python you may choose another language to learn and do these tasks with such C#. Use [W3Schools Online Web Tutorials](https://www.w3schools.com/) |
| **How will this link to independent study tasks in September?** |
| The tasks should support in giving you knowledge to bridge the gap between GCSE and A-level helping you ready to start the qualification in September.  |