**A Level Computer Science CO3 Project Proposal**

* **You need to choose projects that will enable you to solve problems involving stakeholders. Projects chosen must involve stakeholders (anyone with an interest in the solution). They will be involved throughout the project.**
* **You need to choose an adequately complex problem that will lead to a substantial amount of original coding showcasing various programming skills. Projects involving small amounts of code overall or large amounts of trivial code are at best likely to gain an E grade.**
* **You need to choose a project where there are existing similar solutions as you are required to research these as part of your analysis.**

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| **Student Name:** | George Osborne |
| **Group:** | 1C1A |

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| **Programming Language chosen for development work** Note: exam board OCR allows Visual Basic, Python, Java, PHP, C family (C#, C++ etc..) and Delphi. For any other language HSFC must get permission from OCR. **Any choice other than C# will have to be approved by the course leader.** |
| C# |

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| **Description of problem to be solved/proposed project and features that make this problem solvable by computational methods** |
| I will be making a video game based off Tetris. The core gameplay will be very similar to Tetris, but there will be a variety of game modes for the player to select that will change the gameplay. For example, the player will be able to change the game speed, the grid size and the range of block shapes and types that they use. |

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| **Name(s) of stakeholder(s)** |
| Jack, Seb |

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| **Description of stakeholder(s) and how they will make use of solution including reasons why the solution is appropriate to their needs** |
| Jack and Seb are both gamers who are both fans of old arcade games. As much as they enjoy playing these old games as originally intended, they feel like they are limited in their game modes, and that a greater range of ways to play these old games could bring new life to them. This game therefore suites their needs as it gives them more ways of playing Tetris, and allows them to change the experience of playing it to their liking. |