**PASS Session Plan**

**PASS Leader name: \_\_Zak Barker\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_07/08/19\_\_\_\_**

**Course: \_\_1701ICT – Creative Coding\_\_\_\_\_\_\_**

Session Objectives: What does this study group most need to accomplish in this session?

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| Group will have next week off, this session will cement all of the knowledge from weeks 1 – 5 so that students have a base to work on their assignments during the semester break.  Students need to get their heads around loops and arrays |

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| SESSION STRUCTURE | **Equipment/ material required** |
| **Opening and Agenda:**  Recap Last week- have students complete activities they were not able to complete last week.  Ask students if there is anything in specific at this stage they would like some help with.  Talk about assignment – talk about hungry Ralph | N/A |
| **Activity 1:**  **Arrays**  Teach examples of arrays and have students come up with their own examples of an array.  Why? Use random / use variables  Array Methods - array.length & array.push()  Relate to string.length() | Projector, W/board |
| **Activity 2:**  **Loop**  Lots of focus today on loops as they are a difficult concept. Run students through programs and ask students to tell me what code to fill in which part of the program. | Projector |
| **Study skill tip (integrated into activities):**  All of the concepts of programming are essentially a toolkit. Loops, Functions, Conditions, Variables and everything else are simply a means to solve a problem. In relation to the problems in the assignment, the students have been given the tools they need to complete it. There is never only one solution to a problem, it is your own interpretation of the problem and your own use of the tools you have. | Projector |
| **Session closure and ‘hook’ for next session:**  Holidays next week and soon we will be moving into a new data type called ‘Objects’ |  |

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| **Evaluation of Activities:** |
| What worked well  Activities went reasonably well. Once again my workshop was ahead of the students as they’d not completed their workshop yet. Many students were able to follow along with the content regardless. |
| Improvements  I noticed quieter students were less likely to be involved and it was difficult to see if they were keeping up with the others. I need to spend more time making sure they are heard and making sure they are not struggling.  2nd Session had no attendance |

Once completed please upload with your **full activities** to your folder on Google Drive by Monday 9:00 am