

Year 9 Digital Technologies Assessment Criteria - Unit 2 - Physical Computing

- Leveraging Digital - Complete basic programming of robotic devices to complete tasks (1 credit).
- Plan and develop an innovation using an embedded system (2 credits).

	Achieved	Merit	Excellence
Program a robotic device to complete tasks - Learning Journal	Programs created that use inputs, outputs, sequence, basic selection using comparative operators, and iteration	As achieved, and able to debug programs by identifying when things go wrong and correct them.	As merit, and able to explain why things went wrong and how they fixed them.
Plan an innovation	End user needs are identified. Planning information is basic.	End user needs are identified and explained. Planning information is complete and some thought has gone into it.	End user needs are researched and explained. Planning information is in depth and thoughtful.
Develop an innovation	Innovation provides partial solution for user's needs. Little or no iteration.	Innovation provides a solution for user needs including a record of the iterations of the innovation, describing what was learned from each user test.	As merit, and innovations are tested in a thorough manner.