|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **We are designing and creating a digital game for a particular audience.** | | | | |
| **SOLO LEVEL** | **One** | **Many** | **Relate** | **Extend** |
| **SOLO VERB** | **Identify and define** | **Combine and perform serial skills** | **Apply and integrate** | **Create and evaluate** |
| **Success criteria** | I can **decompose** a problem into smaller parts, focusing on the important information  I can **define** what the digital game is required to do and **identify** the functional and non-functional requirements  I can **view** some code and identify where classes have been used following OOP principles | I can **complete** a table that describes how classes can be used to associate variables and functions  I can **describe** how classes are used in object-oriented programming (OOP) language | I can **remix** an example code that has a way of structuring classes, and I can modify it with support to create a new program for a game  I can **complete** an algorithm as a flowchart with support  I can **complete** an algorithm as using structured English with support | I can **create** an algorithm to describe the flow of interactions for the design of a digital game  I can **implement** OOP principles using a relevant programming language such as Python  I can **incorporate** graphics to improve user interface using a library such as PyGame when programming in Python  I can **evaluate** the usefulness of the programming and the interface of the digital solution |
| **Digital technologies**  **Way of thinking** | Computational thinking | Computational thinking | Computational thinking | Design thinking |

As learning progresses, it becomes more complex. SOLO stands for the Structure of the Observed Learning Outcome.  It is a means of classifying learning outcomes in terms of their complexity. It can help differentiate a task to enable students to operate at their level and provide learning tasks that are progressively more challenging.

**For more about SOLO Taxonomy refer to these websites**

[**John Biggs Solo Taxonomy**](http://www.johnbiggs.com.au/academic/solo-taxonomy/)

[**HookED: Solo Taxonomy**](http://pamhook.com/solo-taxonomy/)