|  |
| --- |
| **We are working on a collaborative project**  |
| **SOLO LEVEL** | **One** | **Many** | **Relate** | **Extend** |
| **SOLO VERB** | ***Identify isolated skills*** | ***Describe and combine serial skills*** | ***Integrate skills*** | ***Evaluate skills*** |
| **DECLARATIVE KNOWLEDGE Knowing about (talking or writing about) collaborating safely online** **Working on a collaborative project about information systems****Success criteria** | I can **IDENTIFY**… ways to collaborate safely online  | I can **DESCRIBE** protocols that guide me to be safe online and be a responsible digital citizenI can **DESCRIBE** the pros and cons of existing information systems that we are studying | …AND I can **EXPLAIN** HOW and WHY particular technologies might be used in an information system | AND I can **EVALUATE** the effectiveness of my design of an information system based on functional requirements to accommodate:* user needs
* relevant technologies
 |
| **FUNCTIONING KNOWLEDGE** **Knowing how to …** **Working on a collaborative project about information systems****Success criteria**  | I can **SHARE** ideas using a collaboration tool with some helpI can look at existing information systems and **IDENTIFY** the types of information that are used  | I can use online collaboration tools such as Padlet or OneNote following agreed protocolsI can look at existing information systems and IDENTIFY the types of information that are used and the technology used to transmit/store/display data | I can use collaborative tools to effectively build on the ideas of others using agreed protocols I can DESIGN an information system that considers how personal data needs to be protected and that the solution is sustainable  | AND I can seek out and act on feedback to improve the effectiveness of my information system design as I goPage 1 of 3 |
| **DECLARATIVE KNOWLEDGE Knowing about …****Designing an information system****Success criteria** | I can **IDENTIFY** the needs of a user.* empathise
* define
 | I can **ELABORATE** on these needs by sketching out different options for information systemI can **ANNOTATE** each design to clarify the different options for information system* ideate
 | I can **BUILD** models or representations (prototypes) of an information system to learn more about the digital design solution* prototype

eg I can **SEQUENCE** (storyboard) the development of an information systemI can annotate the sequence to **EXPLAIN** how the prototype development ensures an information system better meets user needs  | I can repeatedly **TEST** the prototypes and use the results to continually inform improvements to the information system* test

I can **EVALUATE** the effectiveness of the information system against clearly established criteria for the user’s needs.  |
| **Digital technologies****Way of thinking** | Design thinking  | Computational thinkingDesign thinking | Systems thinking Computational thinking | Systems thinking Design thinking |

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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/)

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