SOLO Taxonomy

Moving towards understanding
What is SOLO Taxonomy?

- The **Structured Overview of Learning Outcomes**
- Describes levels of increasing complexity in a child’s understanding of a subject, through five stages
What is SOLO Taxonomy?

**Pre structural** - A student knows nothing about a topic/ can do the skill if someone helps them.

**Uni structural** - A student knows one relevant idea/ can do the skill if directed.

**Multi structural** - A student knows a lot of relevant ideas but can’t make links between the ideas/ aware of the skills they need but sometimes make mistakes.

**Relational** - A student is making links between ideas and is able to explain their relevance/ is strategic - knows why and when to use the skill and can identify mistakes made.

**Extended abstract** - A student can evaluate information, draw conclusions, make predictions, or use the information to looks for new ways to use their skills. They are a role model and can teach others the skill.
SOLO PRESTRUCTURAL:
Learning outcomes show unconnected information, no organisation.
SOLO UNISTRUCTURAL:
Learning outcomes show simple connections but importance not noted.

This is a square
This is a square
• It has 4 equal sides
• * 4 right angles
These shapes have 4 equal sides and 4 right angles.

Whereas

These shapes have 4 sides but don’t have 4 right angles.
Is it possible to make a cylinder using a square that is fat and another one that is thin? Explain your reasoning.
SOLO Taxonomy at Lime Tree

We are using SOLO Taxonomy to:

Provide a structure for planning and to enable the pupils to progress through the stages as they learn:
- Key skills, concepts and knowledge (Unistructural and Multistructural)
- To apply skills in contexts with support (Relational)
- Work independently, making decisions when applying knowledge and skills in a range of contexts to look at ideas in a new way (Extended Abstract).

Provide a structured framework to help children to understand the process of learning and focus on their strengths and areas for development.

Make assessments at the start of a lesson - inform which differentiated learning activity the child completes - flexible groupings.
SOLO Taxonomy at Lime Tree

Work backwards to find all the possible addition number sentence for the answer 5/6.

\[
\begin{align*}
3 + 2 &= 5 \\
6 + 6 &= 12 \\
5 + 1 &= 6
\end{align*}
\]

Extended Abstract

Can you design a playground with a perimeter of 80m?

This has a perimeter of 10m. The playground football pitch and tennis court do not work.

The Playground

Entertainment

PARK
SOLO Taxonomy Day
SOLO Hexagons

Unistructural LO - single hexagon.
Multistructural LO - several separate hexagons.
Relational LO - connected hexagons (explain the cause for connecting two edges).
Extended abstract - tessellated hexagons (generalise about the vertex where three hexagons meet).
Any questions?