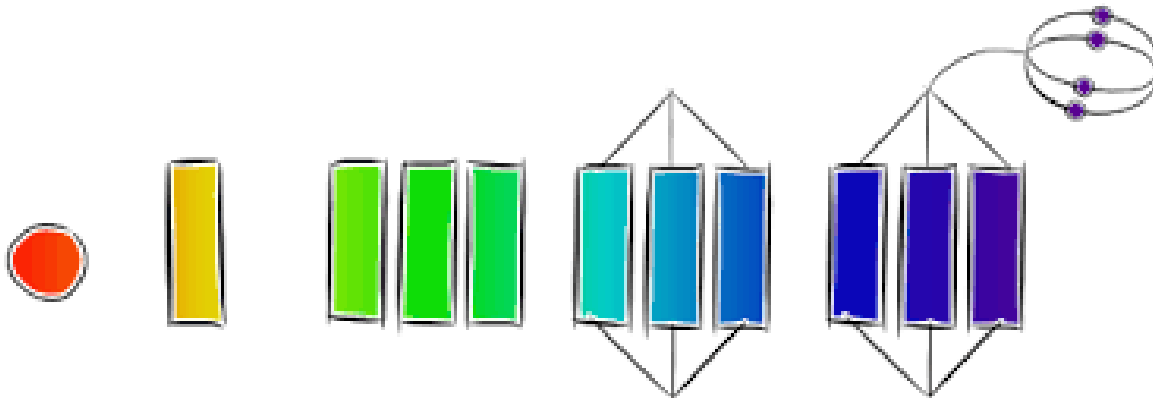


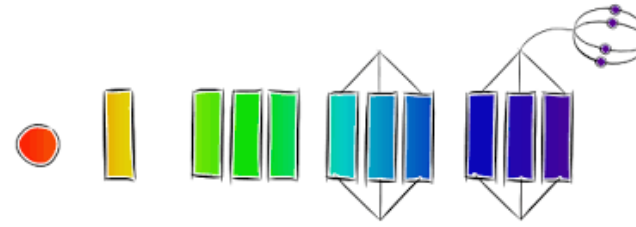


# SOLO Taxonomy

Moving towards understanding



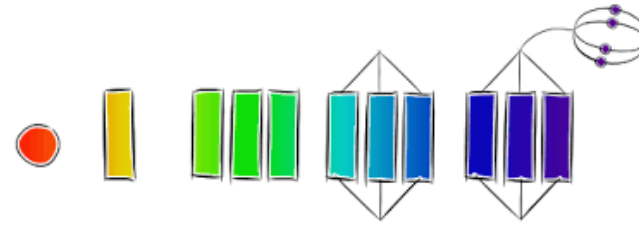
# What is SOLO Taxonomy?



- ▶ The **S**tructured **O**verview of **L**earning **O**utcomes
- ▶ Describes levels of increasing complexity in a child's understanding of a subject, through five stages



# What is SOLO Taxonomy?



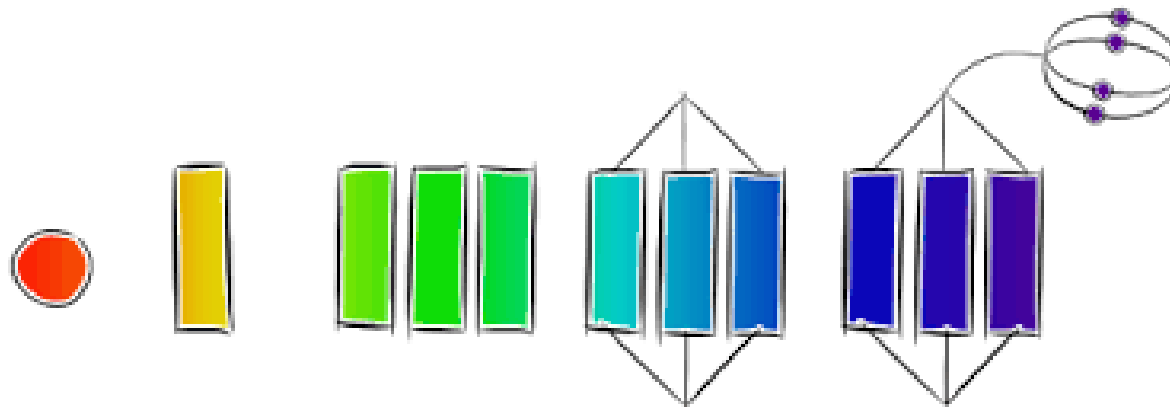
Pre structural - A student knows nothing about a topic/ can do the skill if someone helps them.

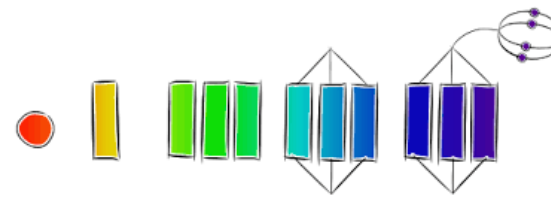
Uni structural - A student knows one relevant idea/ can do the skill if directed.

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.

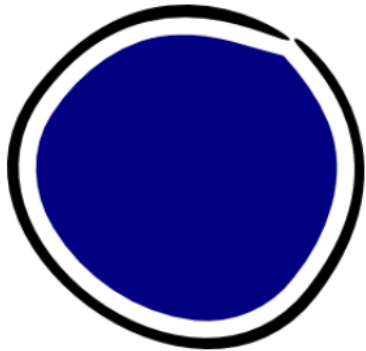
Extended abstract - A student can evaluate information, draw conclusions, make predictions, or use the information to look for new ways to use their skills. They are a role model and can teach others the skill.

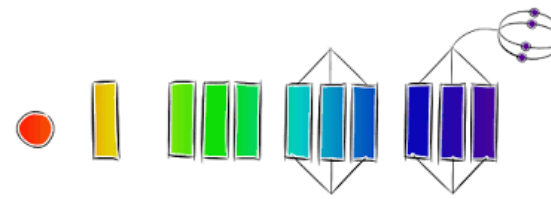




## SOLO PRESTRUCTURAL:

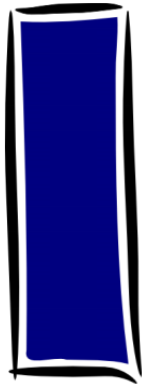
Learning outcomes show unconnected information, no organisation.





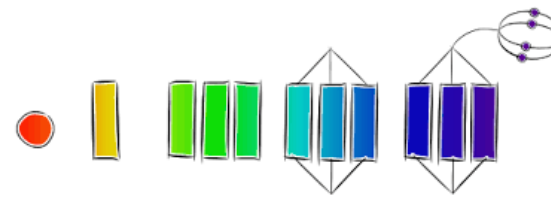
## SOLO UNISTRUCTURAL:

Learning outcomes show simple connections but importance not noted.



Define  
Identify  
Do simple  
procedure

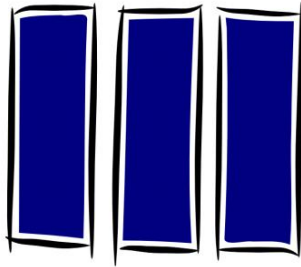
This is a square



## SOLO MULTISTRUCTURAL:

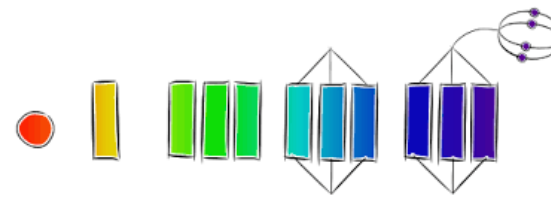
Learning outcomes show connections are made, but significance to overall meaning is missing.

Free-form Group



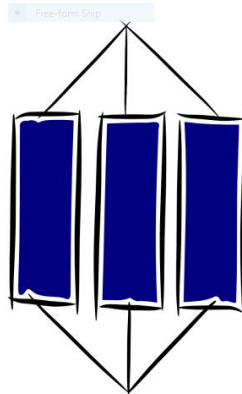
Define  
Describe  
List  
Do algorithm  
Combine

- This is a square
- It has 4 equal sides
  - \* 4 right angles

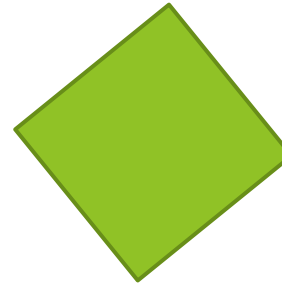


## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning

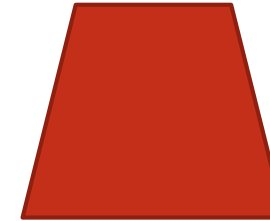


Sequence  
Classify  
Compare/contrast  
Explain causes  
Analyse - part/whole  
Relate  
Analogy  
Apply  
Formulate questions



These shapes  
have 4 equal  
sides and 4  
right angles....

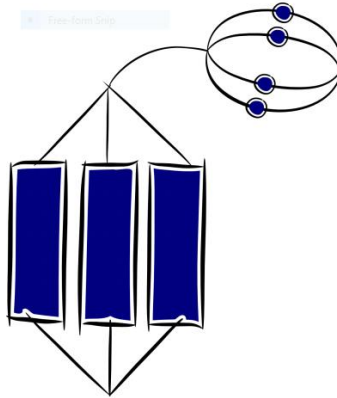
**Whereas**



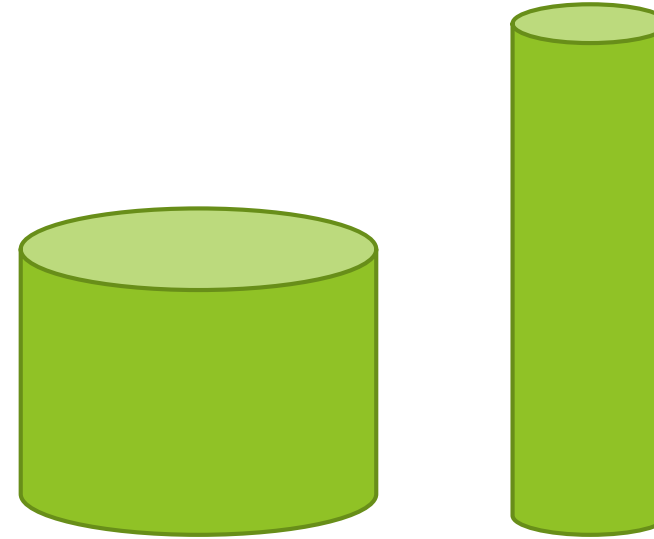
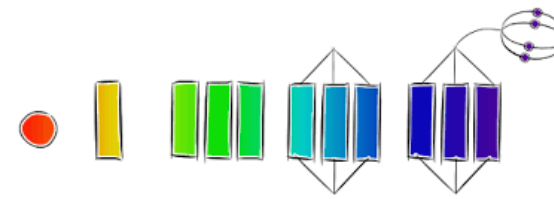
These shapes  
have 4 sides but  
don't have 4  
right angles.

## SOLO EXTENDED ABSTRACT:

Learning outcomes go beyond subject and makes links to other concepts - generalises

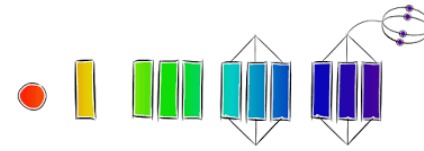


Evaluate  
Theorise  
Generalise  
Predict  
Create  
Imagine  
Hypothesise  
Reflect



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:

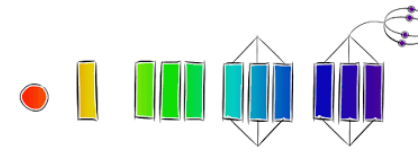
Provide a structure for planning and to enable the pupils to progress through the stages as they learn:

- 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.

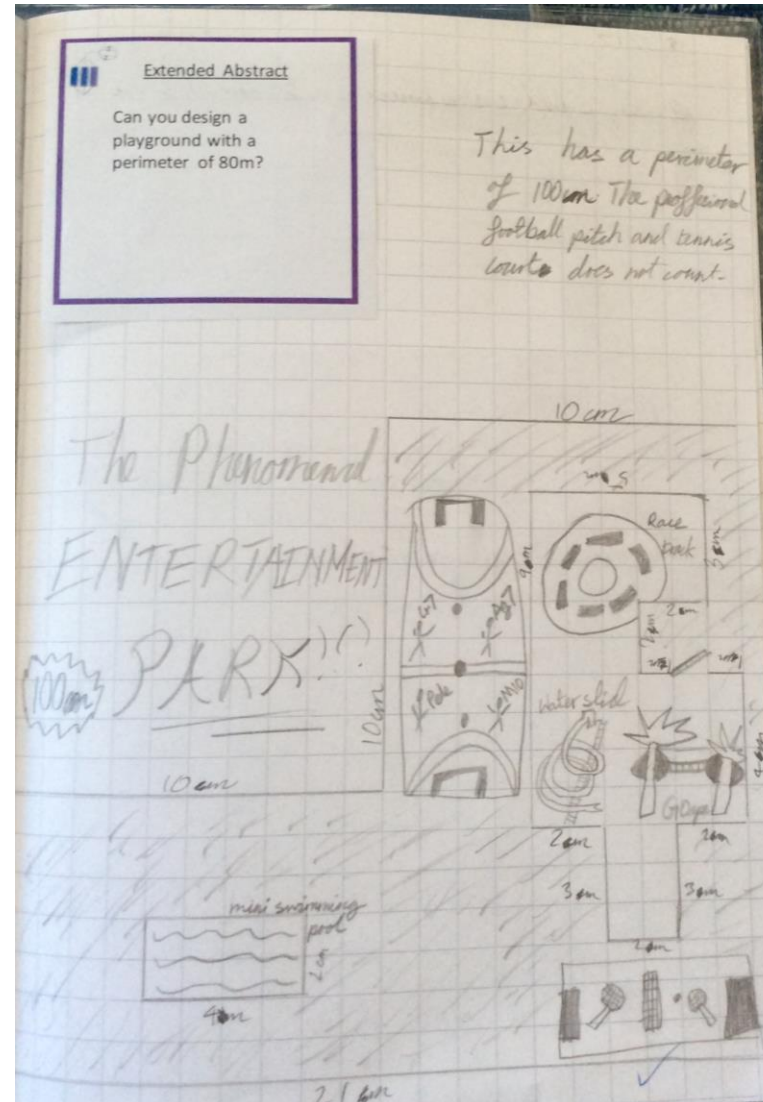
Make assessments at the start of a lesson - inform which differentiated learning activity the child completes - flexible groupings.

# SOLO Taxonomy at Lime Tree

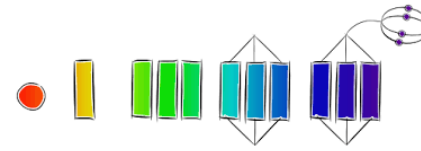


Work backwards to find all the possible addition number sentence for the answer 5/6.

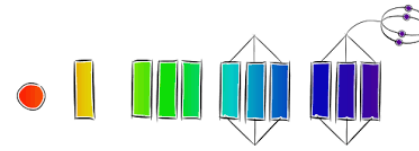
|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$ | $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$ |
| ✓                                         | ✓                                         |
| $\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$ |                                           |
| ✓                                         |                                           |



# SOLO Taxonomy Day



# SOLO Hexagons



## 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).

## 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?

