ELEMENT 2.1

Domain 2 - Create Safe Conditions for Rigorous Mathematics Learning

Element 2.1 - Develop democratic relationships

The following suggestions for practice are extracts from the 'Transforming Tasks' module on the Leading Learning resource:
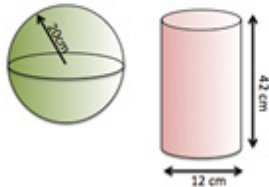
Strategy	Tell to Ask
Technique	Student voice: Ask students to decide how they might do this best.

Level	Before	After
Primary	1. Before 2. Symmetry worksheet: 3. Draw two items of clothing, one symmetrical and one asymmetrical. 4. Describe two objects from the natural environment, one symmetrical and one asymmetrical. 5. State two modes or transport, one symmetrical and one asymmetrical etc.	The teacher poses a selection of questions, such as these: • Clothing. Symmetrical or not? • Nature. Symmetrical or not? • Modes of Transport. Symmetrical or not? • Symmetry- Necessary/ unnecessary/ useful or not? (Don't limit your thinking to line symmetry. You could consider rotational symmetry etc) 1. Choose one of the questions above, or suggest a questions that you think will enable you to show your understanding of symmetry. 2. How will you find out? 3. How will you show your ideas. 4. How will you work: individually, with a partner, or in a small group?
Secondary	Assessment Surface Area Test 1. Calculate the surface area and volume of: 42 cm 12 cm	How could you demonstrate the depth of your understanding about calculating surface area? Enabling prompts: • Think of a context that you would like to apply this learning in. • Think of all of the skills that you'd like to be able to demonstrate. (Teacher can support the development of this list) • Think about the resources that you could use. • Do you want to develop your collaboration skills through working on a joint project or do you want to work independently? • Share your ideas with the whole group, in case someone else likes your idea too. • Remember that connections to other maths topics or other learning areas can be made. (Negotiate)

How do you think the technique Student voice might support Element 2.1 - Develop Democratic Relationships?

There are many ways to articulate this relationship. One response to this question has been provided on the next page.