



Wood End Park Academy

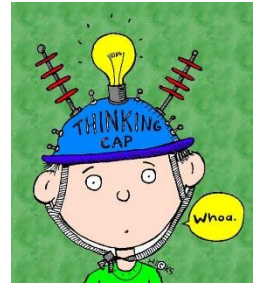
An Academy in The Park Federation Multi-Academy Trust

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To Question is to Grow

Encouraging Reasoning at WEPA

Encouraging all children to reason and explain their answers is important in them developing a deep understanding. Reasoning therefore needs to be a feature in all the layers. Children should try their best to write their explanations or methods in their maths book.



Where children cannot put their explanations into writing LSAs can record their explanation in their maths book on a post it note.

Reasoning Question Stems

How did you know that?

What do you notice?

What is the same / different about . . . ?

Which one is the odd one out? Why?

The answer is . . . , what's the question? What's in the empty box?

Prove by drawing/using dienes/using algebra that . . .

What do you think will come next?

Can you make up a story/real situation for this maths?

Which of these numbers/calculations are trickier? Why?

Do you agree or disagree that . . . Is it always/sometimes/never true that . . .

Give me an example of . . . and another . . .

Spot the mistake . . . explain the mistake

What couldn't it be? What could it be?

Give me a silly suggestion for . . .

Convince me that . . .

What comes next . . . What came before?

If we know . . . what else do we know?

Spot the pattern, explain the pattern.

Find an equivalent for . . .

Can I change the order I do this in?

Year 1 Example

Year 4 Example

Year 6 Example