

Algebraic patterns and expressions

What did you call your variable?

What does your variable mean?

Explore the slider...

What do you think it does?

What are the important mathematical ideas that have been stimulated by this activity?

Other comments:

Algebraic patterns and expressions: Investigation 2.1

What were the issues that you encountered when working on this task?

You made the leaves...

You made the trunks....

Describe the steps you took to create the pattern for the trees...

STEP 1

STEP 2

STEP 3

STEP 4

...

Did you encounter an error message? If yes, what did it mean?

Did you encounter any surprises? If yes, describe the context.

Was any of the feedback particularly useful? If yes, describe how.

What did you learn through this activity?

Algebraic patterns and expressions: Comparing students' algebraic models

Record your algebraic expression for Nicky and Amir's pattern

Record your algebraic expression for Giorgio and Sarah's pattern

Comment on your two expressions.

Now look at the pupils' work.
(These are more able pupils in Year 9)

Prepare what you would say and do to respond to the pupils' dilemma - to include any activity with the software...

Comment on this activity as a PD task
What have you learned?