Patterns

The following process flows from the concrete to the pictorial to the symbolic. It is therefore important to “walk” students through it.

i – Construct and extend a pattern.
ii – Represent a pattern pictorially.
iii – Describe the pattern (using informal algebraic language).
iv – Develop a chart.
v – Make predictions.
vi – Generate graphs (interpret, interpolate, extrapolate).
vii – Write an algebraic equation for the pattern.
viii – Predict “nth” values.

Algebraic equation: _______________________________

“nth” value:
Concrete / pictorial representation

Describe the pattern in your own words.

____________________________________________________________________________________

Chart

____________________________________________________________________________________

or

Predictions