

## Hex-A-Link Connecting Cubes

### Task:

- Use Connecting Cubes to represent a linear growing pattern.
- Use 1 colour to identify the constant and 1 colour to identify the coefficient in the pattern.
- What other growing patterns could you make?



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### BIG Ideas

- Patterns can be represented in multiple ways, graphically, numerically, with a pattern rules and with an algebraic equation.



### Curriculum Expectations

- Grade 7- represent linear growing patterns using a variety of tools.
- Grade 8- represent through investigation with concrete materials, the general term of a linear pattern.



### Links ...to other ideas using this manipulative:

- Tips for Using Linking Cubes:  
<http://tinyurl.com/I-Hex-a-link> → (top)
- CLIPS Video (see Linear Growing Pattern (4.0):  
<http://oame.on.ca/CLIPS/> → (bottom)



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