## Grade 7 Patterning and Algebra Ontario Educational Resources Bank (OERB) Activities

Patterns and Relationships	
Activity	Description
Harry's House of Horrors Part 1 - Linear Growing Patterns  Finding the Surface Area  Finding the Surface Area  (Can Nation to long the slower recreased by a when I active a second drow y The slower because when I active in second sorry the slower because when I active in second sor	Build understanding of linear growing patterns by extending a building pattern enough to be able to predict further values.
Harry's House of Horrors Part 2 - General Term  Algebra Basics  The basic and a second for the second of the secon	Build understanding of some common algebraic terms by completing Frayer Models and by creating algebraic expressions that represent linear growing patterns to solve supply ordering problems in a restaurant.
Harry's House of Horrors Part 3 - Patterns, Tables and GraphsOh My!  Completing the Next Term Pattern  Resource ID: EL01412120	Build understanding of linear growing patterns by extending patterns through concrete representations, tables of values and graphs.
Variables, Expressions and Equations	
Activity	Description
Code Breakers Part 1  Practise Writing Algebraic Expressions  Translate these phrases in a apptrate expressions. Drag and drop abpteral title slot the workspace in cores to exact you. Click Praces to medie value desired a question. Drey your mathematical expression in the answer box. Click Order to check by an answer.  Once of the Company of the Com	Build an understanding of algebraic expressions by translating phrases that describe relationships into algebra tile representations and into algebraic expressions.

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Variables, Expressions and Equations (Continued)	
Activity	Description
Code Breakers Part 2 - Variable Veronica's Substitution Solution  Training with "X"  Click on each symbol in the code string in order to substitute its value. Then do the math in the innear Conference special accord Exponents second Exponents S	Build understanding of how to evaluate expressions by substituting into expressions involving symbols and then variables.
Code Breakers Part 3 - Cybercrypto's Computer  Magic Square  Use the topple buttons to set the value for each symbol. Input your Resource ID: ELO1412450	Build understanding of how to solve an algebraic equation by following demonstrations and then practising using trial and error, inspection and a balance method using algebra tiles.