**Thinking in Patterns: Beginning Algebra**

*Session 1 – Thinking in Patterns*

* Pattern games: http://www.internet4classrooms.com/skill\_builders/patterns\_math\_first\_1st\_grade.htm; http://www.abcya.com/patterns.htm
* Growing patterns games: http://www.mathwire.com/algebra/growingpatterns.html

*Session 2 – Introduction to Algebraic Expressions*

* Algebraic equations game: http://www.math-play.com/Algebraic-Expressions-Millionaire/algebraic-expressions-game.html

*Session 3 – Writing Equations*

* Writing/balancing equations: https://illuminations.nctm.org/Activity.aspx?id=3530

*Session 4 – Tables and Meaningful Expressions*

* Complete chart game: http://www.abcya.com/one\_hundred\_number\_chart\_game.htm

*Session 5 – An Introduction to Graphing*

* Graphing games: http://www.internet4classrooms.com/skill\_builders/graphing\_math\_first\_1st\_grade.htm; http://www.internet4classrooms.com/skill\_builders/graphs\_charts\_diagrams\_math\_second\_2nd\_grade.htm; http://classroom.jc-schools.net/basic/math-graph.html

*Session 6 – Human Graphing*

* Coordinate/ordered pair graphing games: http://www.internet4classrooms.com/skill\_builders/data\_analysis\_math\_third\_3rd\_grade.htm; http://www.mathplayground.com/locate\_aliens.html; http://www.mathplayground.com/SaveTheZogs/SaveTheZogs.html

*Session 7 – Graphs, Tables, and Equations*

* Chart to graph games: http://www.kidsmathgamesonline.com/numbers/mathdata.html; http://www.learnalberta.ca/content/me3us/flash/lessonLauncher.html?lesson=lessons/15/m3\_15\_00\_x.swf

*Session 8 – Solving Equations*

* Solving equations games: http://www.onlinemathlearning.com/algebra-math-games.html