

# MYP Lesson Plan

Algebra I	<b>Expressions</b>
Teachers	Dickerson
Subject	Algebra I
Time Duration	1st Quarter
Criterion	A, C

## Connections:

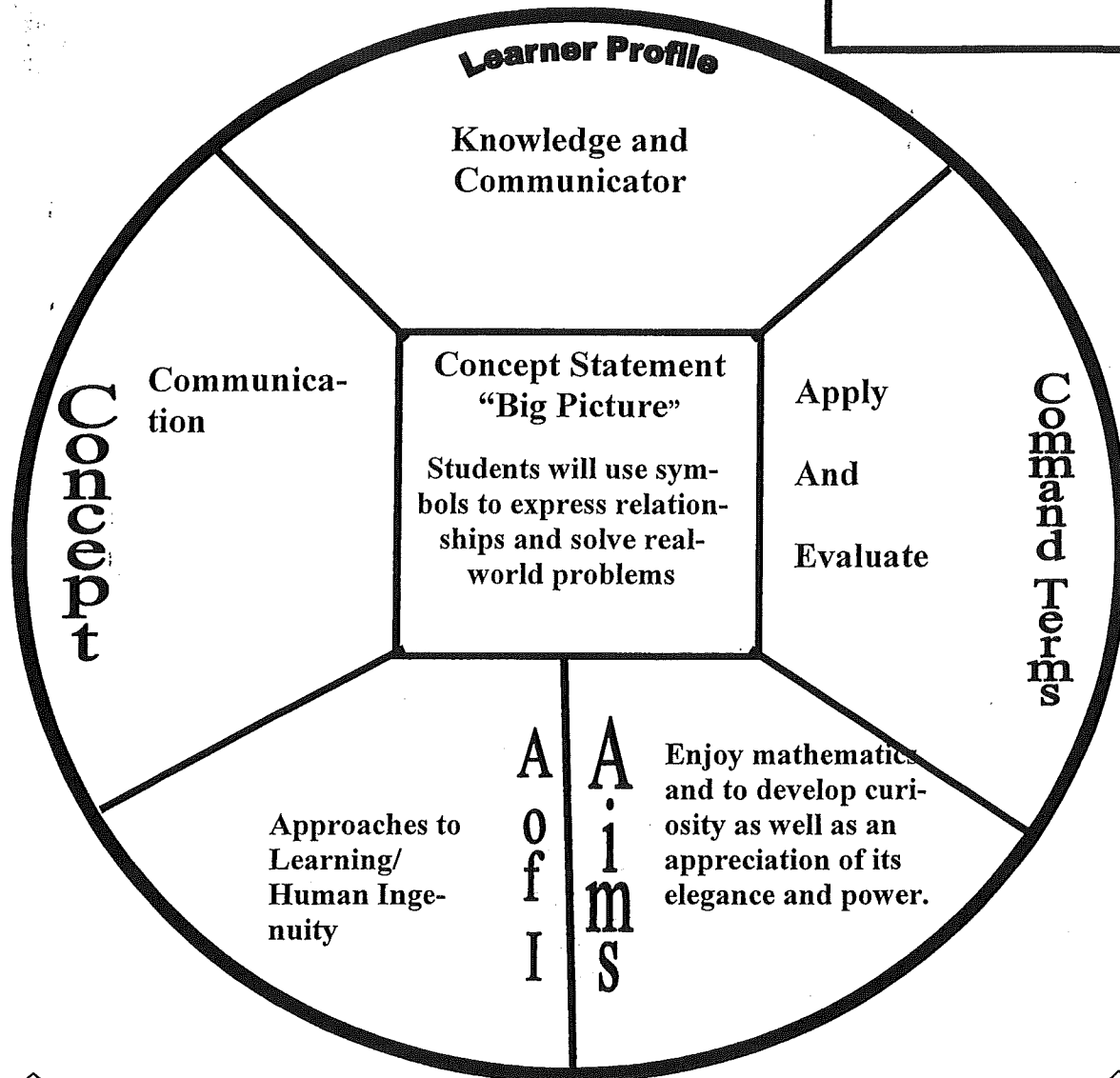
**Humanities:** Stock Market

**Language Arts:** Reading

**ATL:** Organization, Communication

**Arts:** Illustrating Properties

**Gifted Ed:** Application/Evaluation



**MYP Unit Question**

**How are symbols used in life and mathematics?**

## MYP Algebra 1

### Unit 1

Guiding Question: *How are symbols used in life and mathematics?*

Significant Concept: Use symbols to express relationships and solve real-world problems.

Upon completion of this unit, students will be able to:

- ☐ 1-1 Translate verbal expressions into math expressions. You should be able to write several phrases that mean addition, subtraction, multiplication and division.
- ☐ 1-1 Write an expression using exponents.
- ☐ 1-2 Use the order of operations to evaluate expressions.
- ☐ 1-5 Solve open sentences by performing arithmetic operations.
- ☐ 1-3 Recognize, use, and explain the properties of identity, inverse, and equality.
- ☐ 1-3 Recognize, use, and explain the distributive, commutative, and associative properties when simplifying expressions.
- ☐ 2-1 Translate verbal sentences into equations or formulas.
- ☐ 2-2, 5-1, 5-2 Solve equations and inequalities using addition, subtraction, multiplication, and division.
- ☐ 2-3, 5-3 Solve equations and inequalities involving more than one operation.
- ☐ 2-4, 5-4 Solve equations and inequalities with the variable on both sides.
- ☐ 2-5 Evaluate Absolute Value Expressions
- ☐ 2-8 Solve literal equations (formulas) for a specified variable.

### Assessment Tasks

Chapter Tests, Creative Project: Illustrating Properties, Performance task

Criterion: Knowledge, Communication

Area of Interaction: Approaches to Learning/Human Ingenuity

Student self-help: Online Textbook

Personal Tutor

Self-Check quizzes