

# Math 7



CHADWICK  
INTERNATIONAL

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## Course Overview

The Grade 7 mathematics course will deepen and extend many of the concepts that students learned in Grade 6. The focus this year will be on four key areas: (1) developing understanding by investigating and exploring measurement concepts (2) selecting and applying appropriate mathematical strategies when solving real-life statistics problems (3) applying various mathematical strategies to reach a valid solution to probability and finance math problems (4) use different forms of mathematical representations to express linear relations & inequalities

## Course Objectives

This course is designed to make students appreciate mathematics through their own curiosity. They will develop the knowledge and skills to be able to solve both familiar and unfamiliar situations of the four different branches of mathematics: numbers, geometry, statistics, and algebra.

## Homework Policy

Homework will be assigned each class period that may take the typical student approximately 2 hours per week. Homework is expected to be completed on time and may be checked in a variety of ways.

## Criteria of Assessment

Criterion A - Knowing and Understanding (8 points)  
Criterion B - Investigating Patterns (8 points)  
Criterion C - Communicating (8 points)  
Criterion D - Applying Mathematics in Real-Life Context (8 points)

## Materials:

Students will need the following materials in each class:

- Notebook
- Pencil, eraser, highlighters, colored pens
- Ruler
- Earphones
- MacBook
- Scientific calculator

## Course Content

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- Geometry: perimeter, areas, surface area, volume, similarity & congruence, transformations, right triangles
- Statistics: Data Analysis, Probability
- Numbers: Fractions, Integers, Percent, Exponents, Scientific Notation
- Algebra: algebraic expressions and equations, linear relationships, inequalities, polynomials, nonlinear functions