

6th Grade Mathematics

T-D's 6th grade Math curriculum is a continuation of K-5's Pearson's Envision program. Each textbook comes with an on-line component that offers games and video tutorials. In addition to Pearson, I also incorporate Singapore Math Word Problems to reinforce analytical thinking skills. Each student is also given access to www.ixl.com where students have the opportunity to review and practice learned concepts.

Topics covered in 6th grade Math:

1. Numeration

- Place Value
- Ordering
- Comparing
- Decimals
 - Ordering
 - Adding
 - Subtracting
 - Multiplying
 - Dividing
- Exponents

2. Variables, Expressions and Properties

- Writing Expressions
- Properties of Operations
- Order of Operations
- Algebraic Expressions
- Input / Output Tables
- Inverse Operations

3. Fraction Concepts

- Adding
- Subtracting
- Multiplying
- Dividing

- Mixed and Improper
- Converting Fractions into Decimals
- Inequalities

4. Integers and Rational Numbers

- Adding
- Subtracting
- Multiplying
- Absolute Value

5. Rates, Ratios and Proportions

- Ratios
- Quantities
- Rates vs Unit Rates
- Distance vs Rates
- Equal Rates and Proportions

6. Percent

- Equivalent fractions, decimals and percent

7. Geometry

- Perimeter
- Volume
- Area
- Surface Area
- Circumference