



# Hillary Goodman

## 6th Grade Math

### Course Description:

The Arizona Mathematics Standards are a connected body of mathematical understandings and competencies that provide a foundation for all students. These standards are coherent, focused on important mathematical concepts, rigorous, and well-articulated across the grades. Concepts and skills that are critical to the understanding of important processes and relationships are emphasized.

The need to understand and use a variety of mathematical strategies in multiple contextual situations has never been greater. Utilization of mathematics continues to increase in all aspects of everyday life, as a part of cultural heritage, in the workplace, and in scientific and technical communities. Today's changing world will offer enhanced opportunities and options for those who thoroughly understand mathematics.

### Materials Needed:

- 2 inch binder
- Spiral Notebook
- Dry Erase Marker
- Sticky Notes

### Grading Scale:

#### Grading Scale For K – 6<sup>th</sup> Grades

- 4 Independently applies skills and concepts with greater depth and complexity
- 3 Demonstrates grade level proficiency independently
- 2 Demonstrates grade level proficiency with support
- 1 Demonstrates below grade level proficiency with support

### Quarter 1

- Unit 1: Area and Surface Area
  - 6.G.A1
- Unit 2: Introducing Ratios
  - 6.RP.a.3a
  - 6.RP.A.3b

### Quarter 2

- Unit 3: Unit Rates and Percentages
  - 6.RP.A.3b
  - 6.RP.A.3c
  - 6.RP.A.3d
- Unit 4: Dividing Fractions
  - 6.NS.A.1

### Quarter 3

- Unit 5: Arithmetic in Base Ten
  - 6.NS.B.2-3
- Unit 6: Expressions and Equations
  - 6.EE.A.2
  - 6.EE.B.7 & C.9

### Quarter 4

- Unit 7: Rational Numbers
  - 6.NS.C.7
- Unit 8: Data Sets and Distributions (used throughout the entire year)
  - 6.SP.B.5c
  - 6.SP.B.5d
- End of Year Project