

ACADEMIC EXCELLENCE

Biblical Worldview Shaping in Pre-Algebra

Mathematics is not neutral. It is taught and learned from the perspective of a worldview. Our goal is to assist teachers in presenting math lessons in a way that helps students formulate and apply a biblical worldview of mathematics. In Pre-Algebra we explore the question, "What is a number?" through the 5 themes listed below. Each theme is considered in light of the big story of Scripture: Creation, Fall, Redemption.

Biblical Worldview Shaping Objectives

The relationship of BWS objectives to Bloom's Taxonomy is illustrated in the chart below. Biblical worldview shaping objectives are scaffolded throughout the text in Pre-Algebra. Each chapter level objective is supported by section objectives within the chapter. The theme and level of each chapter's biblical worldview shaping objectives are listed in the chart below.

Bloom's Taxonomy	Biblical Worldview Levels	
Create	Apply	A Apply a biblical understanding to life.
	Formulate	F Formulate a biblical understanding of a controversial concept.
Evaluate	Evaluate	EV Evaluate controversial concepts.
Analyze	Explain	E Explain biblical teaching.
Apply		
Understand	Recall	R Recall biblical teaching.
Remember		



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Design

- **Creation:** God designed us so that we could recognize His orderly handiwork in the world.
- **Fall:** Fallen people credit chance or their own mind for the obvious design seen through math.
- **Redemption:** Math helps us to see design and thank, praise, and glorify God for His wisdom.

Knowledge

- **Creation:** Numbering is part of our God-given work of naming.
- **Fall:** Fallen humanity views numbers as either objective truth or fully dependent on mankind.
- **Redemption:** Naming with numbers points us to God by helping us understand His works.

Reasoning

- **Creation:** We were created with a powerful capacity for reasoning and rational thinking.
- **Fall:** Fallen people view mathematical reasoning through deduction as a means of finding truth
- **Redemption-** Understanding the limitations of human reasoning, we look to God for truth.

Modeling

- **Creation:** God created us with the ability to make representations of the world.
- **Fall:** Fallen people attempt to obtain certainty or truth through mathematical models.
- **Redemption:** Models are useful and persuasive, but certainty comes only from God.



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Ethics

- **Creation:** Our task of subduing the earth is to be done in a way that honors God.
- **Fall:** Fallen humanity misuses numbers to harm or mislead others.
- **Redemption:** Using math in a way that shows a love for truth and our neighbors honors God.

