Philosophy Statement:

Biblically Integrative Mathematics: Any truth in God's cosmos immediately precedes from God's character. From this premise, corollary principles follow for math: Math Is (1) transcendent, originating outside human reason; (2) absolute, unaltered to fit surroundings; (3) verifiable, standing up to checks and correction; (4) exclusive, correcting answers assumes falsehood; (5) universal, whose operations exist everywhere, all the time; (6) sensible, working because it is true; (7) practical, conforming to the created world; and (8) consistent, always the same as before.

Biblical Foundations:

1. Absoluteness-Immutability. God is. God does not change. Mathematical truths and concepts established by God are free from contradiction and do not fluctuate (Exodus 3:14; Malachi 3:6; Hebrews 13:8).
2. Truth. God is truth. Error is contrary to God, the standard of truth. Truth is not relative. Arithmetic answers are exactly right or wrong (John 14:6-7; Hebrews 6:17-18; 1 John 1:5-10).
3. Consistency-Stability. The Lord calls heaven and earth as a witness (for Himself) because of creation's longevity; the length of their testimony sustains any declaration of God. The earth is consistent, reliable, and stable just as it is a faithful and truthful witness (Deuteronomy 4:26; 30:19; Psalm 89:28-29, 34-37;Jeremiah 33:20-21).
4. Orderliness. Cosmos order and regulation is derived from God's eternal truthfulness (Psalm 119:89-91).
5. God sustains His creation through mathematical principles and functions as well as by other natural laws He established in the beginning (Psalm 33:9; Colossians 1:16-17; Hebrews 1:3).

Understandings / Attitudes / Outcomes:

1. I have the assurance of God's truth, whether in math or other areas of life, knowing that it is certain. The Old Testament word for truth is "amen"; I pray so that "it may be done."
2. Since God's words are fully true and trustworthy (2 Samuel 7:28; Psalm 119:138) my personal qualities ought to mirror His in my understanding of math and my living of life: honesty (Proverbs 14:5), reliability (Proverbs 13:17), faithfulness (1 Corinthians 4:2), loyalty (2 Chronicles 19:9).
3. I can have confidence in the accuracy of my arithmetic answers when I follow the appropriate rules (order of operation) because God established knowable truth in mathematics.
4. I can have a sense of accomplishment knowing my arithmetic is right or wrong because God who does not change structured true mathematical laws.

Activities / Ideas / Questions:

1. The discovery of truth in mathematics is dependent upon: (1) observation skills in solving equations, (2) experimentation and verification in the real world, (3) exploration questions in discovering how creation works.
2. Truth, goodness, and beauty are often linked in the arts. Study of shapes, color, and function links arithmetic with the humanities.
3. Theorems and proofs can be independently verified.
4. Arithmetic answers are true regardless of time or location in creation .
5. The accuracy of an arithmetic answer can be verified by performing the opposite arithmetic operation.
6. Arithmetic answers can be verified using manipulatives.
7. Arithmetic problems have only one correct answer.
8. Arithmetic is used to solve real life problems (i.e., purchases, bank statements, measurement, etc.).