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# Math Curriculum

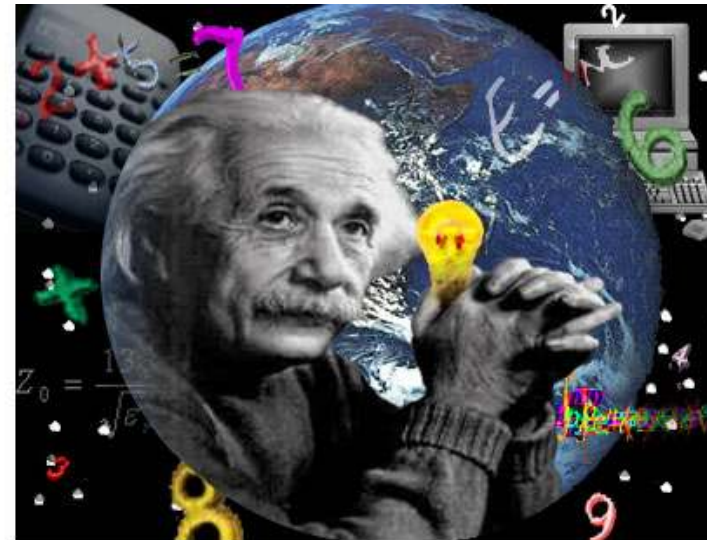
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A Model of Excellence in Education



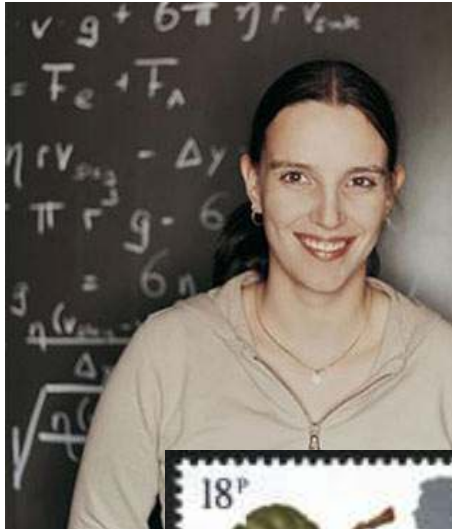
# Math Curriculum Philosophy:

- 1) The “Guiding Principles” of Timpanogos Academy specify that: “**Students...master math skills through traditional math instruction.**”
- 2) **Traditional math instruction** begins with the recognition that math skills need to be acquired early in a child's education and revisited consistently to fix them in memory and make them second nature.
- 3) Further, **traditional math instruction** recognizes that regular guided opportunities for practice and review are, over time, the best way to ensure that these basic math procedures become automatic.
- 4) When these principles of traditional math instruction are followed, a foundation of knowledge and content is built that frees the child's mind to focus on the structure of ever more difficult and interesting problems in later years.
- 5) Consistent with this guiding principle, Timpanogos Academy selected the **Saxon Math** program to be implemented for all grades in an accelerated fashion; (i.e. that beginning Kindergarteners master the Saxon 1 curriculum, first graders master the Saxon 2 curriculum, etc.)



Designed by Franklyn Guterrez

# Math Curriculum: Saxon Math Overview



- **Saxon Math** is a teaching method that implements the incremental learning of mathematics. It involves teaching a new mathematical concept every day and then allowing the student to continually review and build upon that concept as they learn new ones.
- Here is how Saxon works on a typical day: Students are presented with a new concept, but their homework for that day only contains a few problems that involve this new material. The remaining majority of their homework that day consists of practicing “older concepts” that were previously introduced.
- As a result, every assignment (and every test) contains an *ongoing practice and cumulative review* of concepts that have been taught up to that point.
- In this way, mathematical concepts are never dropped or taught in isolation. Over time the concepts become “linked together” which ensures that the student both *gains and retains* essential math skills.