



**AlgebraCARDS**

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[www.algebracards.com](http://www.algebracards.com)

**AlgebraCARDS** was designed to celebrate the creative skills and processes that are familiar and accessible to all people.

**AlgebraCARDS** is a resource for students to practice the **8 Principles of Mathematics**, making steps clear and simple to understand by using a visual guidance system. In the classroom, with collaboration at its core purpose, this resource lends itself to social play, which teaches us how to share and take turns, how to communicate, and how to behave in groups or on teams. Testing and discussing ideas with others can enhance individual creative abilities and provide more options for perseverance when solving problems.



**Confucius...450 B.C.**

*"Tell me, and I will forget,  
show me, and I may remember,  
involve me, and I will understand."*

**"Children's Need to Know:  
Curiosity in Schools"**

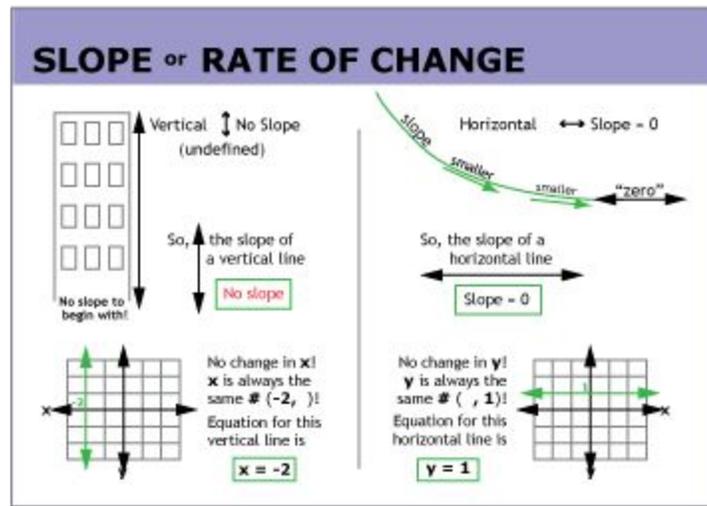
Susan Engel, *Harvard Educational Review*.

*"...Curiosity is both intrinsic to children's development and unfolds through social interactions. Thus, it should be cultivated in schools, even though it is often almost completely absent from classrooms."*

**AlgebraCARDS**...is a collaborative way for students to interact and be curious about algebra. "...You get to see the process and talk about it; as opposed to a source where they would just tell you, "This is the way it is!"

**Seeing and Hearing the Big Picture (Metacognition)**

Each card engages the learner using patterns and colors to increase recollection. Scaffolding each step clarifies content for diverse learning styles by blending colorful visual cues and spaciouly designed easy to read style. Combined with the podcast for each card, research has shown that following along with content while someone else reads has been a magic bullet to learning new material. The cards and the podcasts build metacognition and increase content acquisition by as much as 38%.



- Each concept is simplified down to a few basic examples that cover most of the material to be practiced. Concepts are learned all at once by seeing patterns and examples worked out. The Cards organize and analyze Algebraic concepts in a simple and clear way. Relationships and patterns are better connected, making it easier to understand.
- **AlgebraCards** are linked verbally and visually, helping students recall related details.
- **Standardized/Iowa Testing** within my classes, math scores increased considerably after the use of Algebracards.
- **Final Exams** ~ Algebracards help make an easy and fast recollection of the many concepts covered through the semester; covering 5-6 chapters. Each card reinforces the key elements with clear and simple examples allowing for a significant increase in the ability to remember the content.
- **Chapter Tests** ~ Anxiety has been identified as the reason some students have low chapter test scores. With Algebracards, each section has a few cards, with clear and simple graphics, directly supporting the information to be learned. This often leads the student to recognize and attain the patterns that connect each section to the next. The Chapter test is now easy to handle, a few cards vs. pages and pages of mathematic verbal elements & analogues.
- **Podcasts**~ A presentation for each card is available at [www.algebracards.com/podcasts.html](http://www.algebracards.com/podcasts.html) for support at school or at home. Algebra Cards in conjunction with Algebra Cast becomes a powerful resource for students with a different way of acquiring knowledge and meets the needs of all learning styles.

A product of

