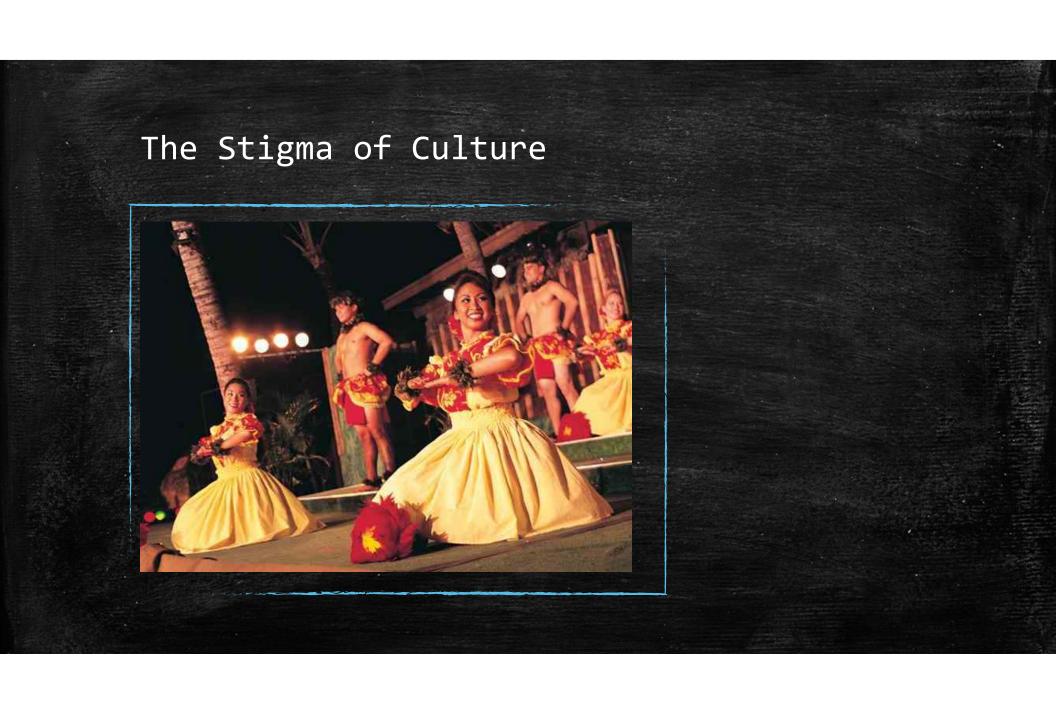
8th Annual American Indian Alaska Native Education Summit

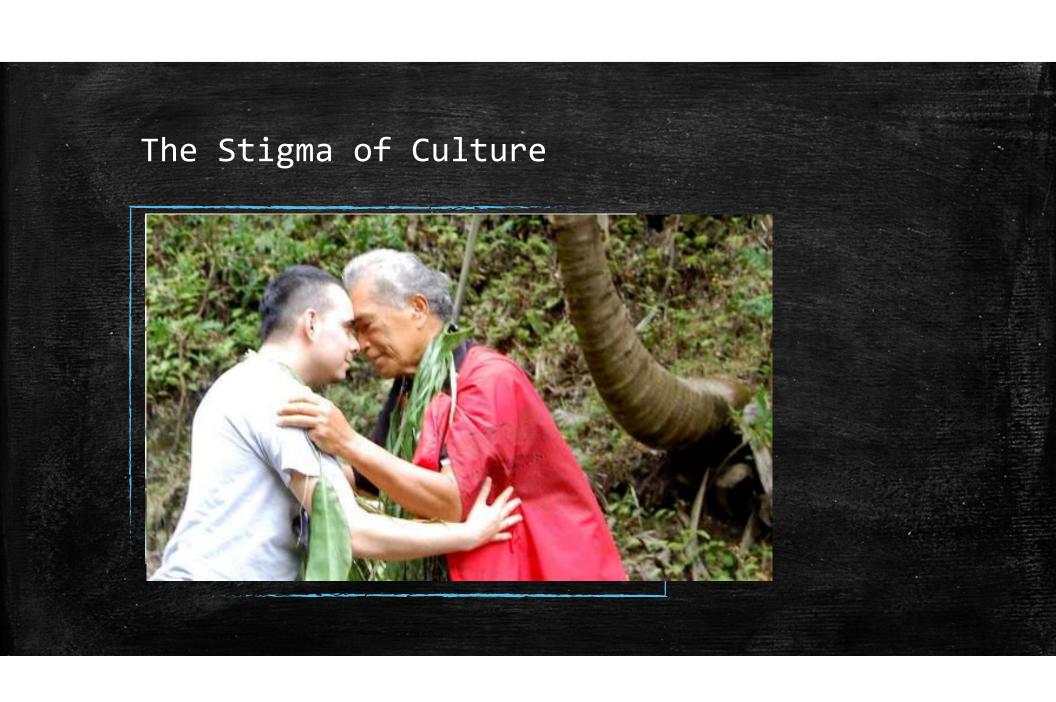


Transforming for the Future:

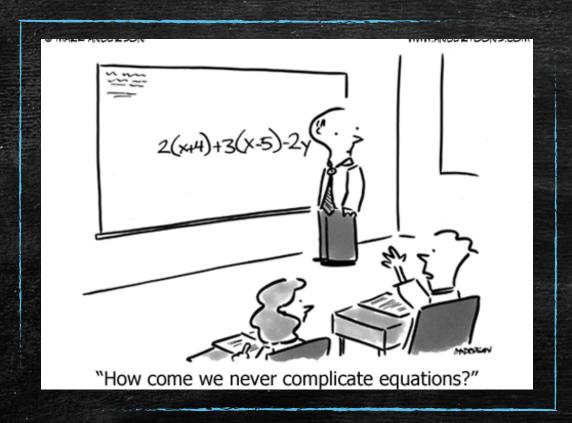
Closing the Achievement Gap for American Indian Students







Recovering math teacher



60 Menominee March 155 Miles to Madison

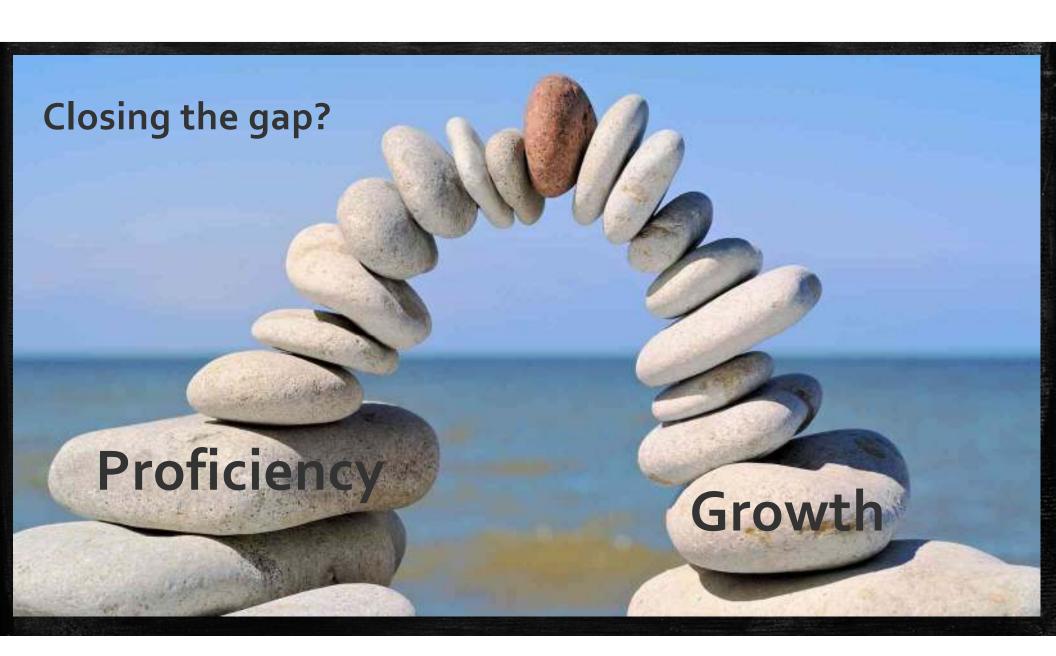


Teachitivity



Updating the 4 C's

Critical Thinking Collaboration Community Creativity



Curricular Needs - CHECK!



NEVADA ACADEMIC CONTENT STANDARDS

English & Language Arts & Mathematics

With the adoption of the Common Core State Standards in October 2010, they became the Nevada Academic Content Standards for English Language Arts and Mathematics. With this action, the Nevada State Board of Education committed to ensuring that all students are ready for college and careers.

- ELA
- Math
- Transition
- 12-18-14 Webinar
- 12-18-14 Powerpoint

Content Standards vs. Process Standards

What to teach

How to teach

Number and Operations in Base Ten

3.NBT

Use place value understanding and properties of operations to perform multi-digit arithmetic.

- Use place value understanding to round whole numbers to the nearest 10 or 100.
- Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.
- Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., 9 × 80, 5 × 60) using strategies based on place value and properties of operations.

NEVADA ACDEMIC CONTENT STANDARDS FOR MATHEMATICS

Mathematics / Standards for Mathematical Practice

The Standards for Mathematical Practice describe varieties of expertise that mathematics educators at all levels should seek to develop in their students. These practices rest on important "processes and proficiencies" with longstanding importance in mathematics education. The first of these are the NCTM process standards of problem solving, reasoning and proof, communication, representation, and connections. The second are the strands of mathematical proficiency specified in the National Research Council's report. Adding It Up: adaptive reasoning, strategic competence, conceptual understanding (comprehension of mathematical concepts, operations and relations), procedural fluency (skill in carrying out procedures flexibly, accurately, efficiently and appropriately), and productive disposition (habitual inclination to see mathematics as sensible, useful, and worthwhile, coupled with a belief in diligence and one's own efficacy).

4 Make conce of problems and possessore in colding them. Make make the

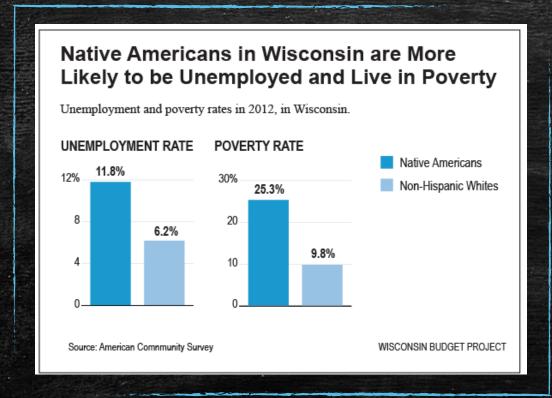








Facts & Figures



Do they help?

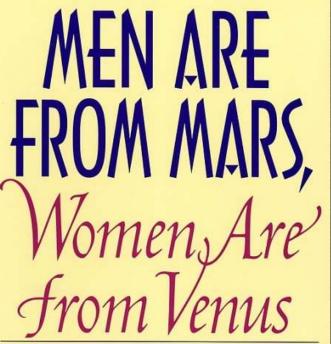
1st grade classroom



Rote vs. Thinking

Teaching Culture Teaching Culturally

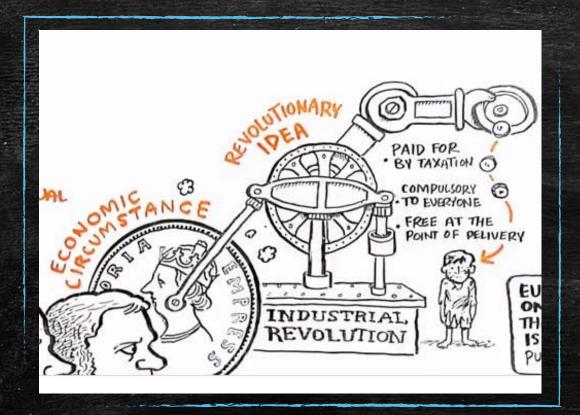




A Practical Guide for Improving Communication and Getting What You Want in Your Relationships

JOHN GRAY, Ph.D.

Industrial Pedagogy



One size fits all

Unique Social/Emotional Needs



Assurance
Attention
Love
Respect
Community
Identity

Family's effect on education





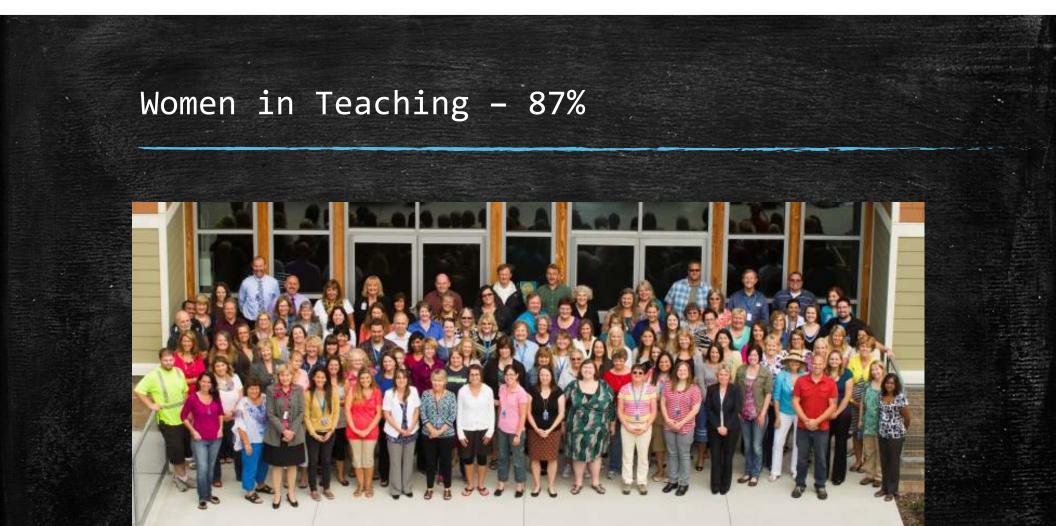
Social/Emotional Needs Research

Maslow's Heirarchy

Martin Brokenleg "Circle of Courage"

Heather Forbes "Beyond Consequences

Ruby Payne's "Understanding Poverty"



Let's play



Step 1: Get a device

Step 2: Go to kahoot.it

Step 3: Enter game pin

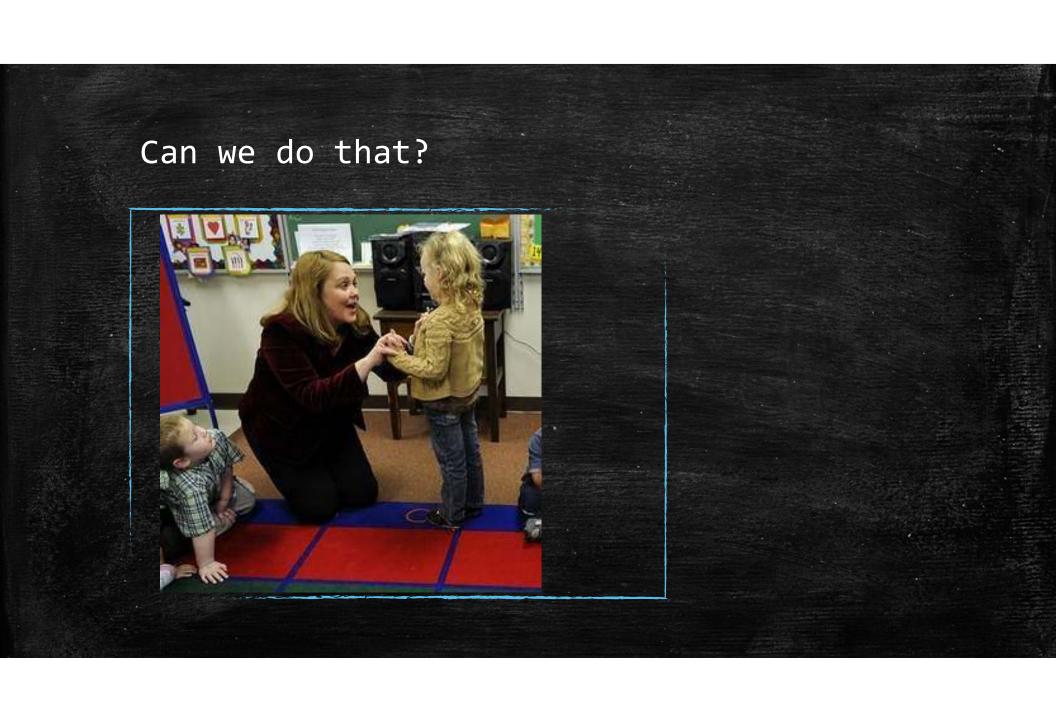
Step 4: Create nickname

Step 5: Have fun!

The inevitable argument



How do you handle?

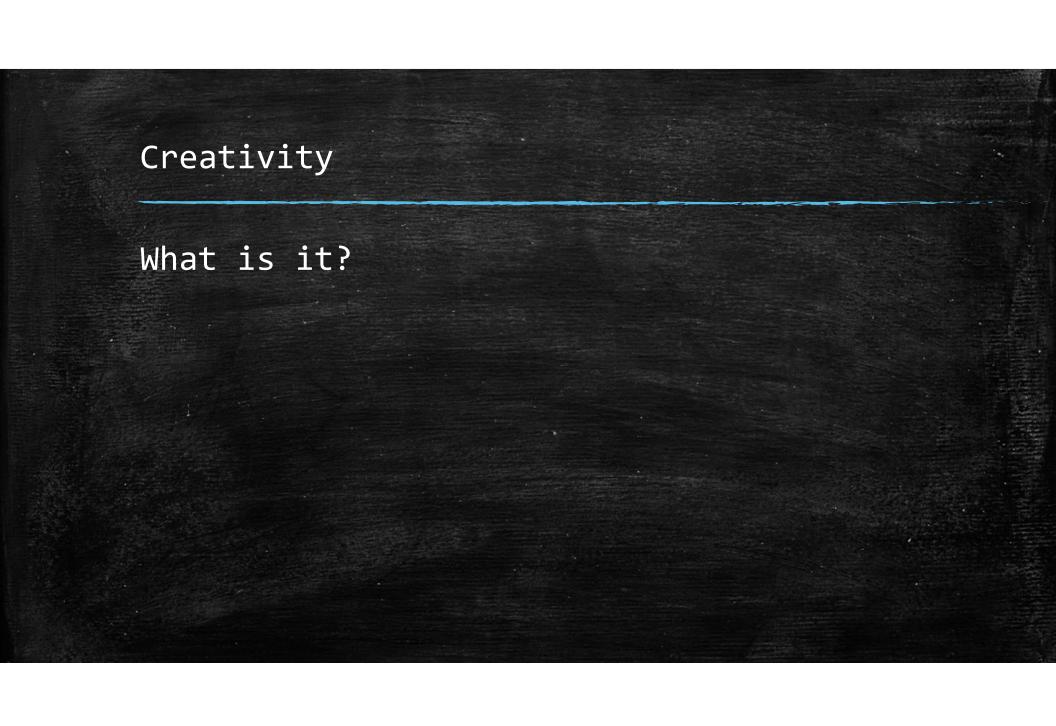


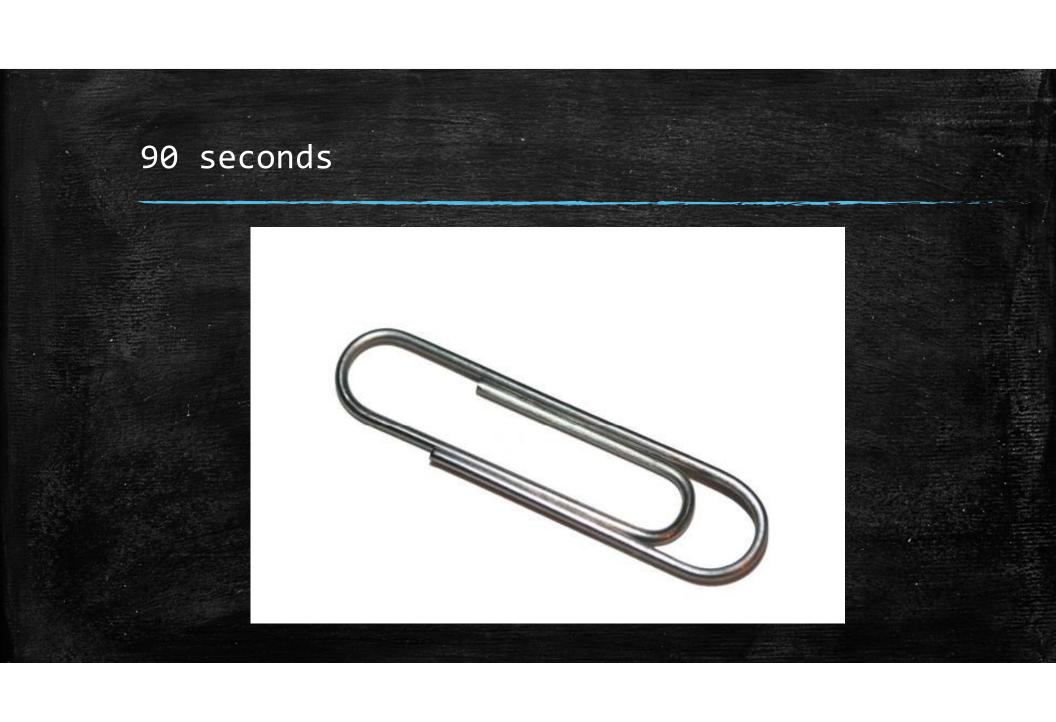




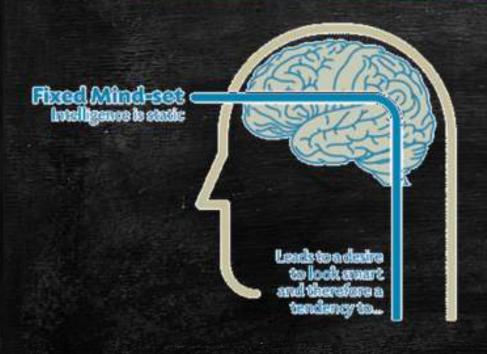
"Many ideas grow better when transplanted into another mind than the one where they sprang up." -

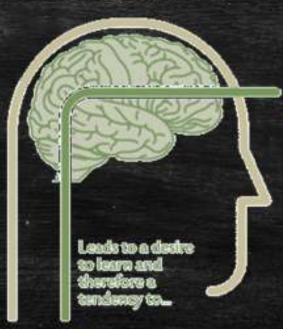
Oliver Wendell Holmes





Divergent Thinking

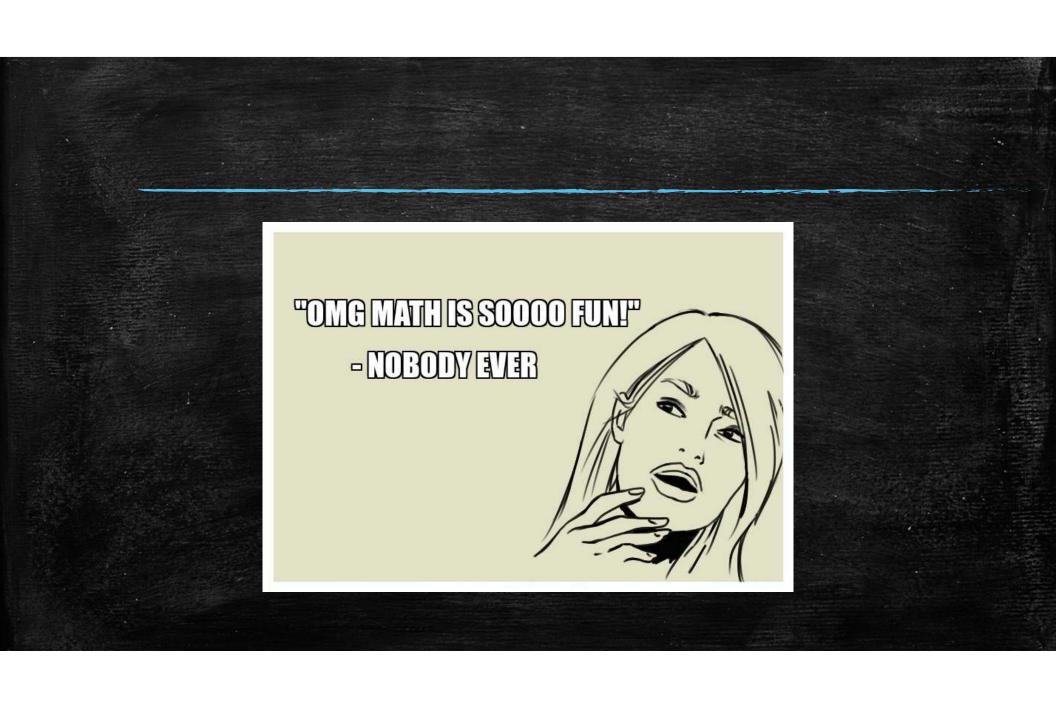




Growth Mind-est Intellerace can be developed

The Divergent Thinking Study

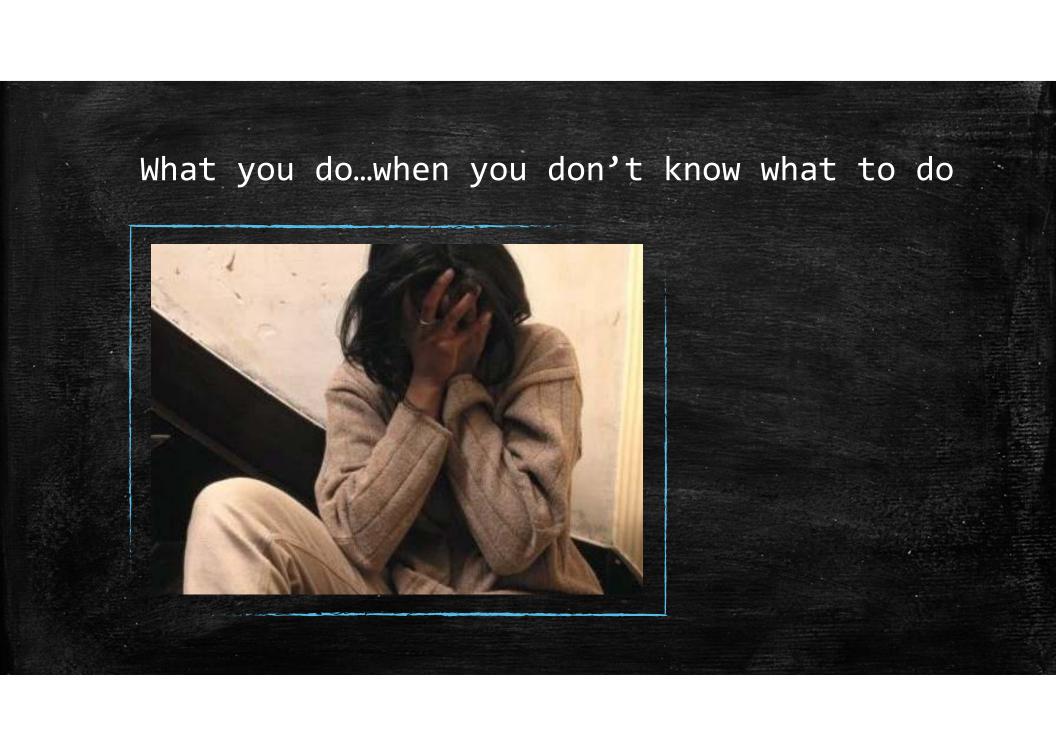
- 98% of participants rated "genius"
- All participants were kindergartners
- At age 10, it dropped to 30%
- At age 15, it dropped to 12%





- Math helps describe our environment
- The foundation of math is problem-solving
- Problem-solving is:

what you do when you don't know what to do





"Imagination is more important than knowledge. Knowledge is limited. Imagination encircles the world."

-Albert Einstein

