

Reading and Practical Mathematics at Home

A Workshop

1. Growth Mindset
2. Developing Reading Skills
3. Practical Mathematics Ideas and Activities

THERE is a
difference
BETWEEN
not knowing AND
NOT KNOWING YET.

- Shelle Tobias

Growth Mindset

What is it?

Student created powerpoint

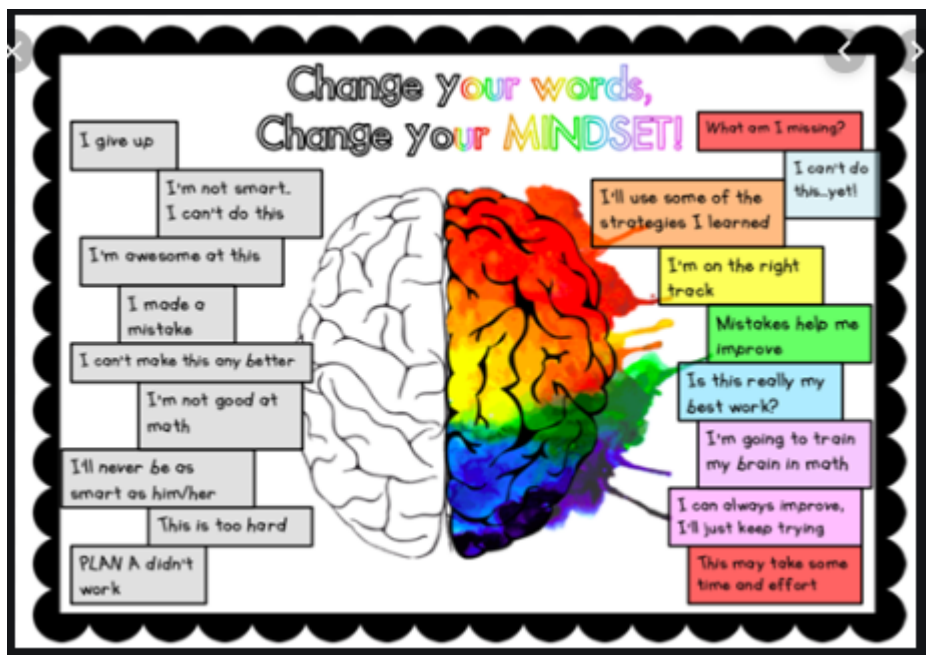
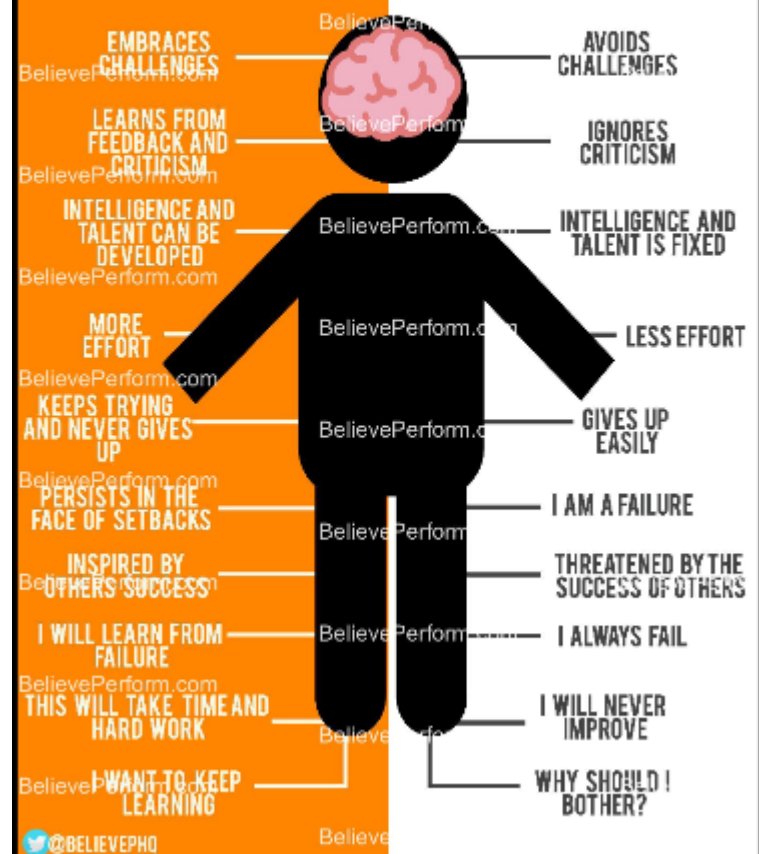
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Promoting GM at home

Class Dojo

<https://ideas.classdojo.com/>

GROWTH MINDSET VS. FIXED MINDSET



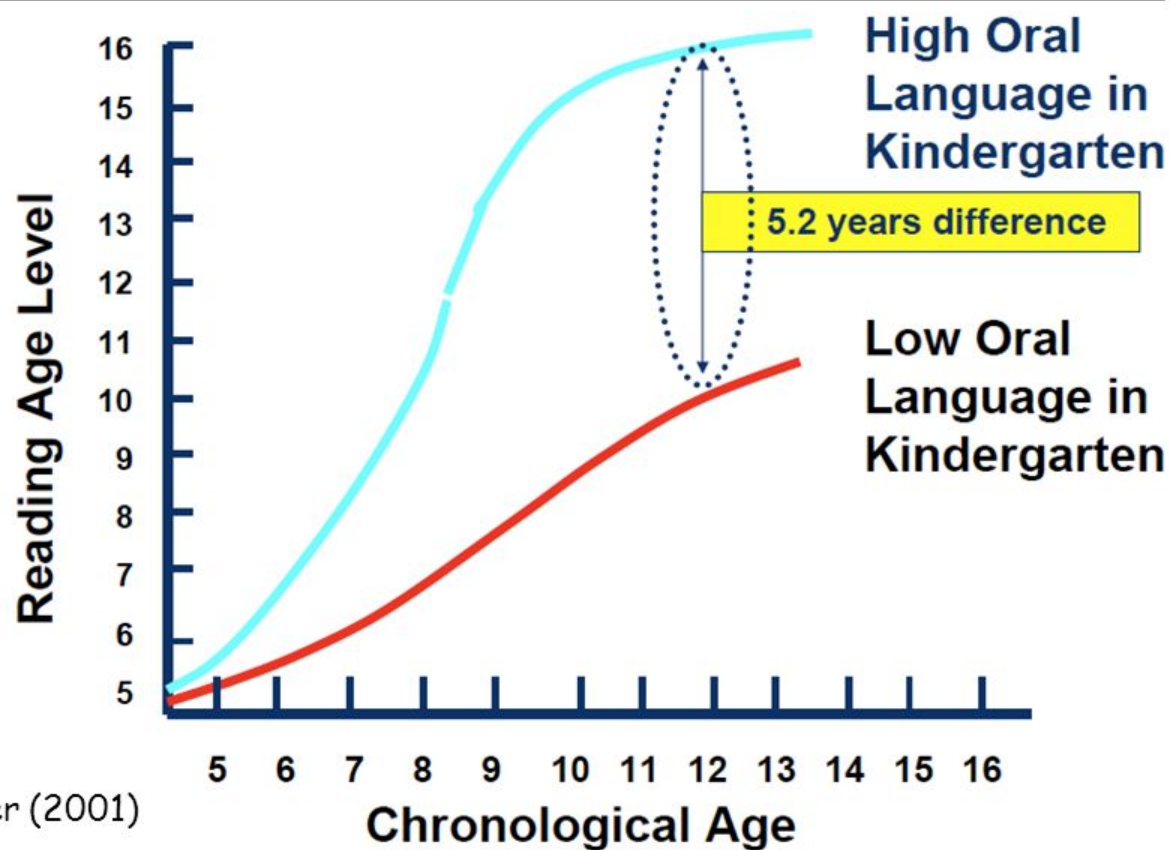
Reading

Shared Reading - we all love stories (not sight words)




Language Acquisition - Importance of speaking and listening

Talking about books

The Effects of Weaknesses in Oral Language on Reading Growth



WHY READ 20 MINUTES AT HOME?

Student A Reads	Student B Reads	Student C Reads
❖ 20 minutes per day.	❖ 5 minutes per day.	❖ 1 minute per day
❖ 3,600 minutes per school year.	❖ 900 minutes per school year.	❖ 180 minutes per school year.
❖ 1,800,000 words per year.	❖ 282,000 words per year.	❖ 8,000 words per year.
		
❖ Scores in the 90 th percentile on standardized tests.	❖ Scores in the 50 th percentile on standardized tests.	❖ Scores in the 10 th percentile on standardized tests.

If they start reading for 20 minutes per night in Kindergarten, by the end of 6th grade, Student A will have read for the equivalent of 60 school days, Student B will have read for 12 schooldays, and Student C will have read for 3.

(Nagy and Herman, 1987.)

WANT TO BE A BETTER READER? SIMPLY READ.

Help your child become a better **READER**

Questions to ask your child while reading
fiction text.



- Who is the main character?
- What is the setting in the story? Does the setting change?
- What was the problem in the story and how was it solved?
- Did the character change during the story? How?
- How are you like the main character? How are you different?
- What do you predict will happen next in the story?
- Why do you think the author chose this title for the story?
- Do you like the title of the story? Why or why not?
- Can you think of a different title for the story?
- Which character from the story would you choose to be your friend? Why?
- Which part of the story was the most exciting? Why?
- Did you like the end of the story? Why or why not?
- Which parts in the story could really happen? Which parts could not really happen?

Mathematics

Making Maths Matter - Importance of practical activities

Everyday mathematics in the car, at home etc

Low cost, low maintenance skill building activities at home

MATHEMATICS
is not about
numbers, equations,
computations, or
algorithms:
it is about
UNDERSTANDING.

William Paul Thurston