

Making Math Relevant using your Classroom

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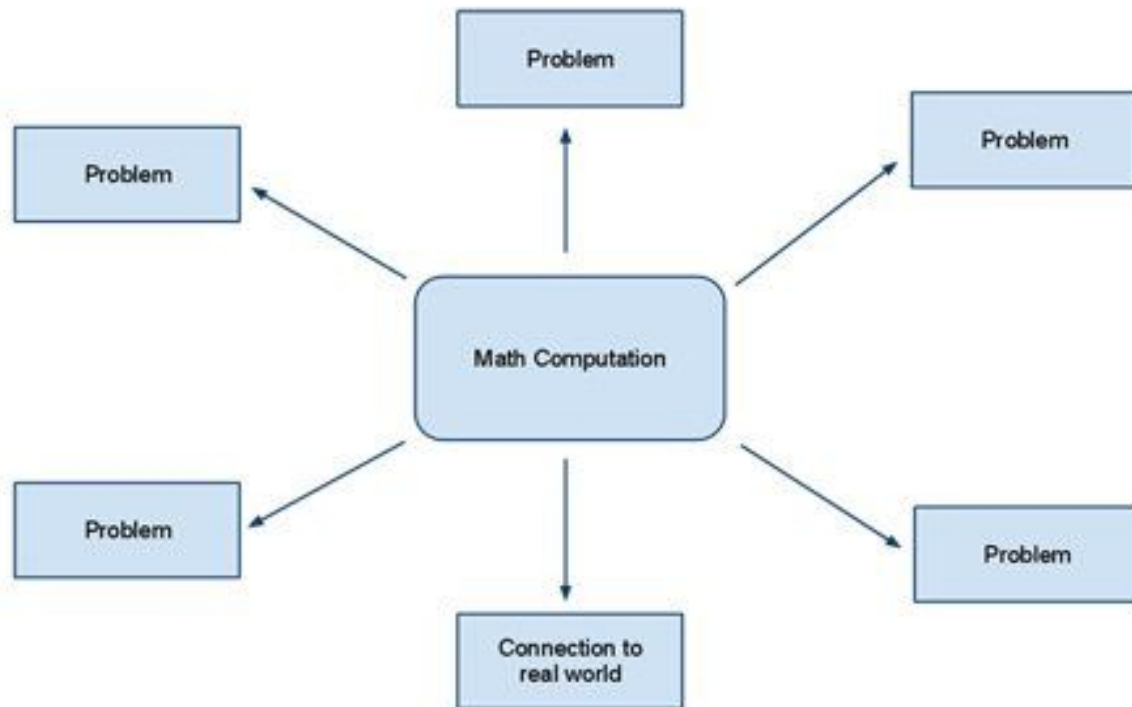
Teaching of Mathematics- David Wees

Not a series of computations but a tool for solving open-ended and interesting problems

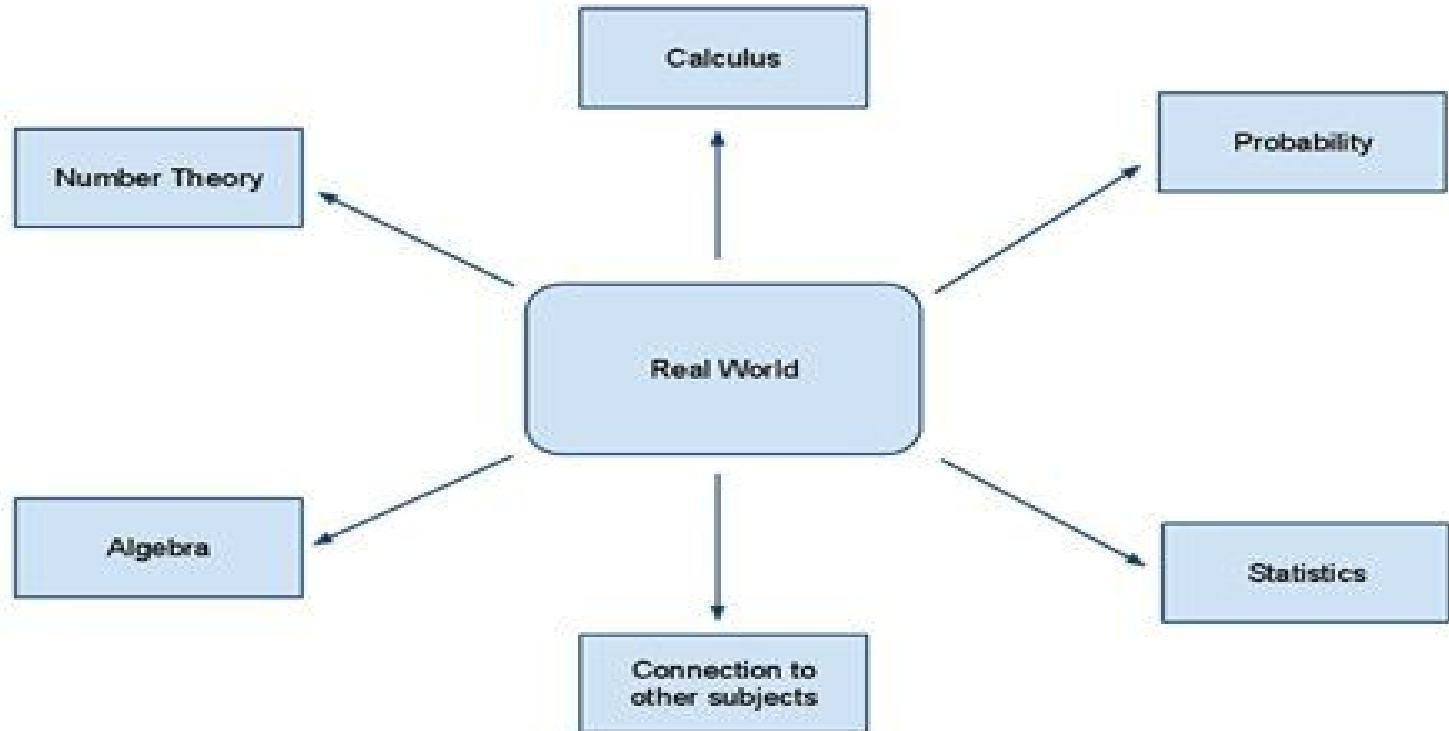
Students need to learn problem-solving and pattern-finding



A New Frame



Structure Proposed



Ideas for Making Math Relevant

1. Using photos
2. Grocery flyers
3. Hands-on (e.g. counting change)
4. Cooking and baking (proportions and fractions)
5. Determine if your item will hit the target

Mathematical Modeling - Ben Curran

Give it context

Example --

Instead of

adding $455 + 387$

Do this

you earned \$455 in April and \$387 in May. How much did you earn in both months combined?

Go Deeper

Now

In June, you double what you earned in May. How much have you earned all months combined?

In July, you have to spend \$250 on supplies, while earning \$126 less than you did in June. How much have you earned overall in the four months April through June?

What double means, know that spending money and “less than” mean subtraction, and how to add four numbers.

Tap into Resources

The Tech Savvy Educator blog by Ben Rimes

State assessments

Math tasks

Teaching Channel

Fellow Teachers

Student Ideas

Let's have some fun!



References

Curran, Ben, *Tchers' Voice*, May 29, 2013

<https://www.teachingchannel.org/blog/2013/05/29/3-keys-to-modeling-with-mathematics/>

Wees, David, *Mathematics Education: A Way Forward*, *Edutopia*, August 15, 2011

<https://www.edutopia.org/blog/mathematics-real-world-curriculum-david-wees>