

Math Language: iPads and English Learners – TIES 2012

Andrea Wilson Vazquez & Melissa Limesand
Osseo Area Schools

Problem:
Many students, especially English learners, have difficulty with math problems.

Solution / Goal:

- Explicitly teach **math language** to all students.
- Provide authentic, meaningful **opportunities for practice** and to **demonstrate understanding** of math language in context.

Math language

- Math words needed for + - x ÷
- Words used to explain and justify
- Words used to describe steps in a process
- Multiple meaning words (i.e. table, difference, variable, etc.)

We plan and teach **math language objectives** that match our math content objectives and standards.

Practice and “Show What You Know” using iPads:

Free Recordable Whiteboard / Screencasting Apps:



ShowMe



ScreenChomp

Top 10 Ways to Use Screencasting Apps in Education:

10	Use to preview a new unit or new vocabulary.
9	Students: reinforce learning by explaining a concept.
8	Share learning with families.
7	Use to re-teach difficult vocab or concepts.
6	Archive learning by embedding their screencasts on a blog or student website.
5	Students: extend learning by teaching a concept to someone else.
4	Assess student learning on specific objectives .
3	Students: self-assess and reflect on their learning.
2	Differentiated instruction and assessment .
1	Gives students authentic, meaningful opportunities to practice math language and share what they know.

Contact us!

Andrea Wilson Vazquez
wilsona@district279.org
 @wilsandrea – Twitter
ellteaching20.blogspot.com

Melissa Limesand
limesandm@district279.org
 @Mel314159 - Twitter



Screencasting Script – Math Language: iPads and English Learners

Hi, my name is _____ and today I will teach you how to solve a(n) _____ problem.

The problem says:

Some words you need to know for this problem are:

--	--

My first step for solving this problem was:

My next step was:

--	--

Then, I...

--

My last step was:

I knew this was the correct answer because...

--	--

I can...	Yes	Not yet
tell what the original problem says		
explain important words that helped me solve the problem		
describe each step I took to solve the problem		
demonstrate how I checked my answer to make sure it was correct		
label my answer correctly		