

**Title of Session:** K-3+ Resources - Math Problem Solving

**Moderator:** Sue Roseman

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Room: Comfy Conference Room

**ChristiP** I am wondering if this is where I need to be for the K-3 resources by Sue Roseman

**SusanR:** you are in the right place, Christi

**ChristiP** Thanks. I have never been on Tapped In before, so I'm new to all this.

**SusanR:** You are doing fine. We will be looking at a number of sites

**ChristiP** I am excited about this because Math Problem Solving is one of our school wide goals!

**SusanR:** and discussing ways we might integrate into our curriculum

**SusanR:** that is where our kids are falling down as well.

**ChristiP** This will be great! And I can't wait to share with my colleagues. Yes we have added many supplementary programs to meet this goal.

**SusanR:** Time to begin...

**SusanR:** Perhaps we can start with intros

**LuisA:** Luis, pre-service teacher, University of Houston.

**SusanR:** I am a K to 8 Occasional teacher, former Grade 1 and two teacher and tech integrator

**LobnaK:** my name is Lobna, I'm working on my teacher's certification at university of Houston

**CindyCH:** I'm a full-day K teacher in Indiana

**WendyCu** Preservice teacher at UH

**DawnMW:** I'm a Pre Service at University of Houston!!

**ChristiP** I teach 1st grade in Greenwood, IN

**SusanR:** Today's session deals with problem solving in math

**SusanR:** I have 15 or more sites to demonstrate.. so let's stay on task

**SusanR:** in math ..along with problem solving strategies ...and sites that provide math prompts for reflective journals.

**SusanR:** Primary students need a variety of experiences that will enrich their

**SusanR:** problem-solving abilities.

**SusanR:** Today's TI session seeks to do that.

**SusanR:** Let's offer children in grades K-3 opportunities to develop critical thinking,

**SusanR:** logic, divergent thinking, and other skills that will assist them in becoming better problem solvers.

**SusanR:** first site.. Reading Comprehension through Math Problem Solving

**SusanR:** A complete lesson plan with strategies for implementation!

**SusanR:** [http://www.readwritethink.org/lessons/lesson\\_view.asp?id=146](http://www.readwritethink.org/lessons/lesson_view.asp?id=146)

**BJ:** Sue, is this a MarcoPolo partner?

**SusanR:** Yes I found it thro' a search on the MarcoPolo site

**JeffC:** cool

**SusanR:** gives some nice strategies for implementing the problem solving approach and integrates with LA

**ChristiP** Great site!

**DevinC:** Good article

**SusanR:** ready for the next one...

**ChristyG:** That is a great site. Is this for Kindergarten?

**TiffanyT:** its good and very detailed

**DevinC:** I think this is a little above Kindergarten

**IrmaC:** I like this site is great

**SusanR:** Could be adapted, Christy

**ShawnaR:** I like the detail and I like the extensions that are offered

**KristenDS:** I am sorry, but I am new to using this. How are you looking at the web site and using this site?

**MayraC:** good problem examples

**ChristyG:** You are right. Thank you Susan.

**SusanR:** teach you students the problem solving method with the BIG 3

**LobnaK:** this is a very interesting approach to teaching math

**DawnMW:** I like the detailed steps to the lesson.

**SusanR:** Steps to improved problem solving (can be applied to all curriculum areas).

**ChristyG:** The student would really enjoy learning this way.

**SusanR:** Great model for students to follow <http://www.big6.com/kids/K-2.htm>

**VanN:** I like the ideas of making story and create problem, this make great connect and also extend to subject area like writing and reading as well.

**DevinC:** I really like the Big3. I think this could be helpful to younger students

**ChristyG:** Yes, this would be great for the younger students.

**SusanR:** Instead of the Big 6..reduce it to the BIG 3 ..for younger students

**IrmaC:** I agree children will enjoy this BIG3

**LuisA:** I like the big 3...I like the questions that it makes the children ask themselves...good motivation

**ShawnaR:** The big three is a simple way for students to evaluate themselves and self check their projects and presentations, I like it because it could be adapted to many areas

**ChristyG:** I also like how it has games you can integrate into a lesson.

**KristenDS:** What is the BIG 3?

**SusanR:** can be applied to all curriculum areas..keep using it over and over again with problem solving tasks

**MayraC:** the lesson sounds fun

**LobnaK:** this is very interesting

**KristenDS:** thanks for answering my question Shawna.

**SusanR:** Plan Do and Review...click on each or the key words....

**SusanR:** for ideas to implement

**SusanR:** There are sample lessons to follow...

**LuisA:** the fishing game is pretty cool...it seems like a fun way to teach math...

**SusanR:** to use with your students

**SusanR:** Let's look at some brain teasers...

**SusanR:** Strengthen problem solving skills

**SusanR:** ..Use as a home/school connection

**SusanR:** <http://www.eduplace.com/math/brain/>

**ChristyG:** The upper grades would really love doing this.

**WendyCu:** This would be great to start the morning off with.

**SusanR:** Yes, and grade 3 as well...let the students work in pairs to solve...

**LuisA:** now, I really like this website.....its more interactive for the students

**DawnMW:** I agree Wendy!!

**ChristiP:** I used this site when I made a treasure hunt for my students!

**ChristyG:** It definitely makes the students think.

**SusanR:** They enjoy demonstrating their answers on the blackboard..in front of the class...

**ShawnaR:** looks good, I can see where this would come in handy, the school that I am in right now has a math coach and she does a problem of the week for each grade level at the school, these two ideas are very similar

**TiffanyT:** Wendy I agree this would be a great morning math exercise

**SusanR:** Children will welcome these warmups on a daily basis!

**DevinC:** I think this is a good hands on website for upper elementary kids

**TiffanyT:** I think they would really look forward to it

**VanN:** I really like the activity this would great and engaging.

**ChristyG:** Yes, Susan I think children would enjoy these warm ups on a daily basis.

**SusanR:** <http://www.eduplace.com/kids/mhm/>

**ShawnaR:** the students really get into because the answers are announced each week via the intercom, so they get to see if they're right as a class, great for developing group cohesiveness

**SusanR:** There are brain teasers here for the younger set, here

**ChristyG:** This is great! I was looking for a good math site for the younger students.

**IrmaC:** Children will love it

**CindyCH:** This looks great! I wish they had this kind of stuff for kindergarten!

**DawnMW:** These are great. These would really get the younger ones thinking too.

**LuisA:** this would be good in a kinder class

**LobnaK:** this site is great and fun for students

**TiffanyT:** This looks like lots of fun

**ChristyG:** This would be great for a computer game during centers in kindergarten.

**SusanR:** Some for the early grades...copy and paste into Word..hand them out to your math groups

**MayraC:** Great

**ChristyG:** Good idea!

**DevinC:** This site will really get kids interested. It is nice that there are some sites for younger math students

**TiffanyT:** its easy for the them they could do it on the computer

**VanN:** neat..

**SusanR:** Yes, they can be used for centers, Christy

**WendyCu:** I agree Christy. It would be good to set the website in the computer center

**ShawnaR:** I really like what this site has to offer, it gives students a different medium to work through but still emphasizes the concepts that they will have to know for the tests, it would be a great tech. integration into a daily math lesson to spruce things up a bit, i like that they score them as well so students feel like the right answer matters

**ShawnaR:** good idea about using it in the center!!

**DevinC:** I think the kids would love to do this in a center. Great way to do tech and math

**IrmaC:** Children will see math as an exiting experiment with this nice activities

**SusanR:** Speaking of centers..any of these can be used in a center

**LobnaK:** I agree

**SusanR:** Virtual Manipulatives

**ChristyG:** Yes these would be great to help students practice before a test.

**TiffanyT:** I also like that it doesn't give the answer. It lets them try again

**DawnMW:** These are great problem solving activities. The kids may never realize they're doing math.

**VanN:** How could we assess their understanding doing these activities?

**MayraC:** Are there any similar sites in Spanish for those of us wanting to teach in Bilingual classrooms?

**LuisA:** good question Van...how do we assess?

**DevinC:** You could also give them the manipulatives to work with while they try to solve the problem

**IrmaC:** I agree with you Dawn

**ChristiP** I could display this on the tv screen . The kids love to "watch" tv.

**SusanR:** [http://matti.usu.edu/nlvm/nav/grade\\_g\\_1.html](http://matti.usu.edu/nlvm/nav/grade_g_1.html)

**SusanR:** any of these could be used in centers

**SusanR:** For example try the Spinners

**SusanR:** Set this up as a centre - graphing or probability

**ChristyG:** This is a great way to introduce younger students to graphs!

**SusanR:** We are looking at [http://matti.usu.edu/nlvm/nav/grade\\_g\\_1.html](http://matti.usu.edu/nlvm/nav/grade_g_1.html)

**LuisA:** hey, its cool how you can make a bar graph online about anything...kids would love that

**SusanR:** Use virtual manipulatives along with your concrete manipulatives

**ChristyG:** You could ask them to graph how many color M&M's are in a bag.

**SusanR:** Yes, I have done that..children do not realize they are learning.

**WendyCu:** I like the circle 99 for positive and negative integers. I think it is a hard concept to teach but this would be great to include.

**CindyCH:** I like the pattern blocks!

**DevinC:** This could be a great reinforcement for your regular math lesson

**ShawnaR:** i just tried using the manpulatives and I think that kids would really enjoy that, a great way to work on fine motor skills for young children as well

**ShawnaR:** this would surely be something that the kids would look at as "fun" a great way to get reluctant math students to get involved

**ChristyG:** Yes it is a great way to work on fine motor skills for the younger students.

**SusanR:** Sometimes difficult concepts are easier to grasp on computer..for certain students

**IrmaC:** Manipulatives are the best to keep children focused on problem solving

**ChristiP** I like the base ten adding! Great way to show kids place value!

**TiffanyT:** this is also another great way to integrate technology. You could easily use these in centers or as final check for understanding

**SusanR:** Absolutely, Tiffany!

**DawnMW:** I love this site. I just bookmarked it. What a great way to introduce or reinforce math everyday in the classroom.

**LobnaK:** the is fun for both the young and the older kids

**SusanR:** ..the next site integrates reading and math! You may want to have your students work in teams

**IrmaC:** A great resource for us that we just are going to start

**TiffanyT:** Also a good idea if the manipulatives are not always available too.

**LuisA:** yes, the last website was worth bookmarking or adding to favorites

**ChristyG:** Yes, Tiffany you are right.

**ShawnaR:** I really like the virtual mastermind, I loved the game as a student, I am sure many others would also enjoy it, I like that they do not have to have a partner to play this way

**SusanR:** Math Maven Mysteries from Scholastic ...  
<http://teacher.scholastic.com/maven/index.htm>

**LuisA:** the spinners are good in teaching probability

**SusanR:** Math Maven Mysteries are worth a look..integrates with LA

**ChristyG:** This is a great integration site.

**DevinC:** I like the way the problems are written. Kids love to solve mysteries

**SusanR:** they are categorized from easy to hard

**ChristyG:** Children always enjoy to read stories or have stories read to them.

**DawnMW:** I like how the site shows the skill being taught and the level of difficulty.

**MayraC:** you are right

**WendyCu:** I also liked how they used terms students will need to know like "slueth"

**ChristyG:** By categorizing them it helps all levels of learners.

**LobnaK:** I agree

**SusanR:** Kids love learning new terms and vocabulary, Wendy

**LobnaK:** I think all kids like playing detective

**MayraC:** The mysteries are fun to solve and involve reading and great thinking

**MayraC:** great website

**LobnaK:** this can be a fun group activity

**IrmaC:** You are right Mayra

**ShawnaR:** I like this site as well because it allows the students to feel like they are playing and thus the computer has their full attention, all the while they are working on important math skills, as a side note what would anyone suggest for evaluation of students as they play these math games?

**VanN:** I agree with Mayra.. Kid would it and especially make it as competition.

**TiffanyT:** The kids would love this. There is also a teacher's guide that tells important things as well

**SusanR:** Let them work in groups and demonstrate their thinking to the other groups...

**SusanR:** You do still have blackboards in your classrooms I hope

**DevinC:** I agree with Shawna. Kids might not even realize that they are doing math

**TiffanyT:** Shawna maybe you could observe what is being said

**TiffanyT:** and write that down and it might be less of a formal evaluation

**MayraC:** There are great problems for all grade levels

**KellySu:** Very neat site

**ShawnaR:** a checklist or a running record maybe

**TiffanyT:** yeah

**SusanR:** Speaking of evaluation..simple reflective journals..easy format

**SusanR:** <http://208.183.128.8/MathNet/journal3.html>

**ChristyG:** You could maybe do an informal running record of the students. To see their thinking process.

**LuisA:** good assessment...checklists would work in this case

**IrmaC:** I know that this will sites of good use

**SusanR:** and math journal format for grade 2

<http://208.183.128.8/MathNet/journal2.html>

**DevinC:** Math journals would be a wonderful way to assess what students know and what they would be interested in learning more about

**MayraC:** Checklists are probably easier to use for this type of assessment

**ChristyG:** These are great ideas for math journals.

**ShawnaR:** I see, I like the idea of a math journal, students need to feel that there is more to math than simple memorizing facts

**LobnaK:** I like how the kids could point out what they need help with, I really tells that they understand what they're doing

**DawnMW:** The journals are a great way to assess and to check for understanding and to see if and where reteaching might be needed.

**TiffanyT:** Yeah I think that having a student write what they need work on is more meaningful

**MayraC:** journals would be great assessment for the older kids that area able to write

**IrmaC:** Children are able to evaluate themselves with this assessment

**SusanR:** You are generating some wonderful ideas to use when I go back to the classroom

**MayraC:** great ideas everyone

**ShawnaR:** integrating tech into math is a great way to build up the students image of math and give math a more positive connotation to the students

**TiffanyT:** also it's just another example of language arts integration

**MayraC:** And this is a fun way

**SusanR:** This is one more site to use for reflective journals or prompts

<http://schools.gedsb.net/ar/passion/pppii/anita.html>

**VanN:** I also like the ideas of written journal as assessment.

**ChristyG:** Tiffany, I think that is very true. I like to integrate as many subjects as possible to a lesson.

**IrmaC:** With lot of things we have to cover in classrooms we need to integrate subjects as much as possible

**ChristyG:** Very true.

**SusanR:** That is one way to cover many strands in your curriculum..integration

**DevinC:** The journals would be great to work on K writing skills. They would be using different words than in their normal journals

**MayraC:** great idea

**CindyCH:** A good way to have them show what they've accomplished during centers.

**MayraC:** this website has great example of journals

**VanN:** journal would be less pressure on the feeling of test taking and in-dept way for understanding.

**ChristyG:** Yes it is a great way to show what they have accomplished as well as what they might need to work on.

**TiffanyT:** It is also a good way for them to become familiar with math vocabulary

**ChristyG:** I think it is a much better way to assess children.

**SusanR:** Journal can be used during the interview process as well, Christy and Tiffany

**ChristiP:** I like the ideas of Math Vocabulary book! Many students get mixed up with tangrams and pattern blocks!

**CindyCH:** selected entries could be put into portfolios to show progress

**MayraC:** I like the illustrations included in the journals

**ShawnaR:** I really like the idea of placing math words on the word wall using a different colored paper, a great way to add math to their vocab and to help them distinguish math terms from the rest

**SusanR:** and please visit the K to 3 Resource Room

**IrmaC:** I enjoyed these illustrations

**MayraC:** thank you for all the great information everyone

**KellySu:** Great Ideas

**ShawnaR:** I really enjoyed the discussion, great sites and great feed back from everyone!!

**WendyCu:** Thank you Susan for the great math sites. I bookmarked them and will use them in the future.

**SusanR:** <http://tinyurl.com/ufjd> .. all the sites mentioned here tonight

**LobnaK:** thanks Susan, those were really great sites

**TiffanyT:** Yes I bookmarked them as well

**ChristyG:** I thank you Susan!

**DawnMW:** Thanks Susan for all the great sites.

**IrmaC:** Thank you for the great sites

**SusanR:** ..plus a few more you may find useful

**MayraC:** I like the math wordwall also

**ChristiP:** Thanks Susan for the time you put into this!

**ChristyG:** This was really a great discussion. I received some great ideas.

**SusanR:** Feel free to join me in the K to 3 Resource Room

**MayraC:** thanks and good night

**CindyCH:** Thanks !!!

**LuisA:** thanks Susan

**SusanR:** I will be there momentarily..more math stuff there

**ChristyG:** Good night everyone.

**VanN:** thank Susan

**SusanR** skips off to the K to 3 Resource Room