

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

Moderator: Sue Roseman

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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

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

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

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