

Title of Session: Math Resources K-20 - NASA eClips

Moderator: Sharon Bowers

Title of File: 20090203sciencenasaeclips

Date: February 3, 2009

Room: Math Resources K-20 Group

SharonWB: Mitzi ... will you tell me a little about your teaching experiences?

MitziWa: I am a student teacher in Houston

SharonWB: elementary or secondary focus?

MitziWa: We are required to participate in a few of these meetings for our technology class

MitziWa: elementary

SharonWB: Great!

SharonWB: I have some new resources that I think you'll find VERY helpful

MitziWa: yeah

SharonWB: I'm a teacher in Virginia Beach City Public Schools ... on loan to the National Institute of Aerospace

SharonWB: One of our projects is NASA eClips ...

SharonWB: has anyone heard of NASA eClips?

PatV: yes

MitziWa: no

SharonWB: Pat ... what have you heard?

SharonWB: besides what BJ told you ... :)

PatV: There is usually someone from NASA at AAPT meetings, and I always chat with them. I don't remember specifics.

SharonWB: NASA eClips are short video segments

SharonWB: We have 4 different programs ... targeting different audiences.

SharonWB: Mitzi ... the one you'll want to look at is Our World

MitziWa: okay

SharonWB: It's for students in elementary school ...

SharonWB: And ... it focuses on helping students (and teachers) understand the difference between science and engineering.

SharonWB: But ... we work to tie in standards-based topics, too.

MitziWa: sounds interesting

SharonWB: You can find these at two places.

SharonWB: We have a dedicated YouTube channel

SharonWB: and you can find us at the NASA portal.

SharonWB: I'll take everyone to the YouTube channel first ... if that's okay.

MitziWa: sure

SharonWB: Please go to ... <http://www.youtube.com/nasaclips>

PatV: I have explored this site. I am quite sure I added it to my K-12 lesson plans collection.

SharonWB: That's great news, Pat.

MitziWa: is it okay if it's opened in another window

SharonWB: Sure ...

SharonWB: And if you detach this chat box, that makes things easier too.

SharonWB: You can detach by going to the actions tab to the right of the chat box.

MitziWa: got it, thanks

SharonWB: If you scroll down ... you'll see Our World ... Real World ... Launchpad

MitziWa: yes, I see it

SharonWB: Our World is for elementary school children

SharonWB : Real World is middle school.

SharonWB : The focus of Real World is real world applications of mathematics.

SharonWB : And Launchpad is for high school students.

SharonWB : The focus of Launchpad is STEM innovations.

BJB2: please remind me what STEM stands for, Sharon

SharonWB : If you click on Playlist ... you can see thumbnails and a short description of the programs.

SharonWB : Oh ... Science Technology Engineering and Mathematics

PatV: science technology, engineering, mathematics

SharonWB : STEM

BJB2: LOTS of programs!

BJB2: thanks

SharonWB : There's a new one each week.

SharonWB : And ... people are using these in some interesting ways

SharonWB : One school system is using these as prompts for writing

SharonWB : It's an elementary school.

MitziWa : I like that idea

BJB2: I was just going to ask Mitzi if she had any ideas for applications

SharonWB : They show one of the Our Worlds

SharonWB : and then the students talk about it

SharonWB : and then write about it

SharonWB : they do peer editing ...

SharonWB : they show one a week

SharonWB: Mitzi ... any other thoughts come to mind about how to use these?

MitziWa: none come to mind at this moment - but I'll let you know

SharonWB: One school uses them after recess

SharonWB: just as a way to calm down the students

SharonWB: and get them back into a classroom mode

SharonWB: at the very least ... showing them starts lots of good discussions

SharonWB: and ... keeps kids up to speed with what's happening at NASA

SharonWB: there are some fun ones about habitats for the moon

MitziWa: I'll need to watch some of the videos to see what they are about

SharonWB: this is a dedicated YouTube channel

BJB2: I like that the videos are current and relevant

SharonWB: so ... you can ONLY see our eClips

MitziWa: I've had issues at some schools opening videos from YouTube - will that be a problem

SharonWB: let me take you to the NASA portal ... you can see them there, too

SharonWB: go to www.nasa.gov

MitziWa: I'm there

SharonWB: This place can be confusing ... but I'll show you some new tricks

SharonWB: Do you see the NASA symbol?

MitziWa: yes

SharonWB: We call that the "meatball"

SharonWB: under the meatball ... look for Educators

MitziWa: lol

MitziWa: see it

SharonWB: Then ... scroll down and look for NASA eClips under the left hand navigation bar

BJB2: wow! look at all the related resources!

SharonWB: I'll show you around in a minute

MitziWa: I'm there, then I go to Our World right

SharonWB: let me know when you see the NASA eClips logo

SharonWB: great

SharonWB: go to Our World

SharonWB: and things are sorted by topic here

SharonWB: go to Exploration

MitziWa: great - I'm going to try to incorporate this into a lesson

SharonWB: and you'll see a teachers guide about building a recycled Crew Exploration Vehicle

SharonWB: This is our first teachers guide

SharonWB: there will be more

SharonWB: if you open it ... you'll see that it uses the 5E model of learning

SharonWB: Mitzi ... are you familiar with the 5E model?

MitziWa: yes, we've had to write very long lesson plans using that model for some of our college courses

SharonWB: We use it too.

PatV: my goal is to collect the nice lesson plans that you create and spread them around

SharonWB: Pat ... we'd love to have you spread them around

PatV: I am not a big fan of "reinventing the wheel"

SharonWB: Please share them ... with everyone.

SharonWB: Let me show you some other things ... and a way to organize things at the NASA portal

SharonWB: Go back to the NASA Home page

SharonWB: please

MitziWa: I'm there

SharonWB: In the same row as "For Educators"

SharonWB: go to the right and look for "MyNASA"

SharonWB: Everyone there?

PatV: yup

MitziWa: yes

SharonWB: You can create your own home page with NASA resources

BJB2: how cool!

SharonWB: Under the left hand bar ...

SharonWB: You can add "feeds" that you'd like to see

SharonWB: these change daily ... or weekly.

SharonWB: The Moon and Mars is lots of fun

MitziWa: great

SharonWB: NASA in your life is good, too

SharonWB: So ... Click on "add" and that's added to this page.

SharonWB: Oh ... you'll have to register first.

PatV: Sharon, do teachers have any difficulty using NASA web sites? A lot of schools have extensive (over-kill) fire walls.

SharonWB: Do you see "Getting Started" in the middle?

SharonWB: NASA sites aren't blocked by firewalls

BJB2: But if you want to access your MyNASA page on other computers, you need to register.

SharonWB: By registering ... this page will remember what you add to it.

PatV: Maybe I misspoke. The schools tend to block out many good web sites

BJB2: . o O (that's the last sentence in "Getting Started")

SharonWB: I've never heard of anyone having trouble getting NASA.gov

PatV: OK

SharonWB: and we have some pretty tight firewalls in my school system

SharonWB: So ... you can travel around the NASA portal and then "bookmark" any places on the portal

SharonWB: and they'll be added here.

SharonWB: there's also a calendar that has some historic events

SharonWB: and some upcoming events marked

SharonWB: One of the problems with the NASA portal is that they move things around.

SharonWB: By bookmarking your favorites and adding them to your MYNASA page

PatV: tsk tsk

SharonWB: it doesn't matter if they get moved from the main portal

SharonWB: The portal changes almost daily

SharonWB: Mitzi ... finding anything of interest?

MitziWa: oh yes

SharonWB: If you're ready

SharonWB: I'd like to take you to another resource that I think will be VERY helpful to you

MitziWa: I'm not in a science class now but am excited about the many ways I could use this site

SharonWB: One of the key pieces is to use science content for non-fiction reading and writing

SharonWB: These topics are very motivational for kids

PatV: Yeah!

SharonWB: and ... it's a good chance to practice non-fiction reading skills

SharonWB: and ... great writing prompts

SharonWB: Let me take you all to another NASA site that I helped develop

SharonWB: Come with me to 21st Century Explorer

SharonWB: <http://ksnn.larc.nasa.gov/21Century/index2.html>

SharonWB: Please let me know when you get there

MitziWa: I'm there

PatV: got it

SharonWB: I developed this package with some folks at Johnson Space Flight Center in Houston

SharonWB: your hometown Mitzi

SharonWB: There are 12 programs

MitziWa: go Houston!

SharonWB: Each one has a 30-second video segment using a student from the Houston area

SharonWB: They're modeled after NASA Kids' Science News Network

SharonWB: I use to be the program manager for KSNN

SharonWB: When you click on a program

SharonWB: you get the video segment

SharonWB: a hands-on lesson

SharonWB: some background information

SharonWB : and other resources

SharonWB : And ... one of the best parts is that all of these resources have a Spanish equivalent

SharonWB : So they can be used in bi-lingual classes

SharonWB : Under the 21st Century Explorer banner ... do you see 21st Century Explorer Noticiencias NASA?

MitziWa : yes

SharonWB : If you click on that ... you'll see the page in Spanish ...

SharonWB : and it takes you to all of the Spanish resources

MitziWa : that's fantastic - this could be a resource for Spanish speaking parents to view with their children

SharonWB : Definitely

SharonWB : Some of the Houston ISD use this for their afterschool programs

SharonWB : They have the students work through the 12 programs ...

SharonWB : and then end with the students creating their own museum displays

MitziWa : do the videos take a while to open? I'm trying to view one right now and it's taking a while - I'm on a dsl connect

SharonWB : in one of the museums

SharonWB : They're Quicktime videos

SharonWB : do you have QuickTime loaded?

MitziWa : yes

SharonWB : If you try the Video Low

SharonWB : they should load faster

BJB2 : I got it open ok

MitziWa : I'll try it again later

PatV: I could open also

SharonWB: If you go back to the first page ... you'll see links to Noticias NASA and the NASA KSNM

SharonWB: there are more programs there

SharonWB: I think we have about 70 programs at each site

SharonWB: sorted into math, science, and technology

SharonWB: At NASA KSNM we also have some animated videos for K-2

MitziWa: I'm excited about looking at these to see what I can use

SharonWB: There are hands-on activities for each program, too.

SharonWB: Want to travel to another NASA site with elementary resources?

BJB2 hopes Mitzi will share this information with her college class

MitziWa: yes please

SharonWB: Come with me to ... <http://scifiles.larc.nasa.gov/>

SharonWB: let me know when you're there.

MitziWa: yes

MitziWa: there

PatV: ok

SharonWB: We're not producing new NASA SciFiles or NASA KSNM programs

SharonWB: But ... there's lots of good info in the ones we created

SharonWB: If you look under the left hand navigation bar

SharonWB: please find "Episodes and Guides"

SharonWB: everyone there?

MitziWa: yes

BJB2 nods

PatV: yes

SharonWB: The video segment for this program is 4 15-minute segments

SharonWB: The "stars" are the "tree house detectives"

SharonWB: they're kids that work together to solve mysteries in their neighborhood

SharonWB: the programs are written as PBLs

SharonWB: using Problem Based Learning

SharonWB: You can stream the whole program

SharonWB: Or view it in sections

SharonWB: And ... the educator guide has between 40 and 50 hands-on experiments

SharonWB: to support the program

SharonWB: these are written for students in grades 3-5

MitziWa: how do you view the videos

MitziWa: I don't see them

SharonWB: Under the left hand navigation tab

SharonWB: Look for View online

MitziWa: found them

SharonWB: they can be streamed from three sources

SharonWB: Go to the knowitall site

SharonWB: there's something pretty neat there, too

SharonWB: with me?

MitziWa: yes

SharonWB: Do you see the NASA Learning Modules tab in green?

MitziWa : yes

SharonWB : click on the science activities & simulations

SharonWB : these are simulations that were developed for the programs ... or for the website

SharonWB : look at the electricity section

SharonWB : do you see lightning?

MitziWa : we get emailed a transcript of this chat right? I want to make sure I get all these links

BJB2 : right, Mitzi

SharonWB : I'll show you the NASA and NIA room at Tapped In, too

MitziWa : yes I see lightning

SharonWB : Open that simulation

SharonWB : Then hit the play button

SharonWB : All of these simulations are pretty cool

MitziWa : yes they are

SharonWB : BJ ... what's the easiest way to take Mitzi and Pat to the NASA and NIA rooms?

BJB2 : Sharon, you go to the room and we'll join you

SharonWB : I'll go to the NASA room first.

BJB2 : when you see Sharon leave type /join **SharonWB**

BJB2 . o O (start with the /)

SharonWB left the room.

PatV left the room.

MitziWa left the room.

BJB2 left the room.

Room: NASA Group

BJB2 joined the room.

SharonWB: If you click on "Links" under the left hand navigation tab

BJB2: I always include this room on my Saturday tours ;-)

BJB2: Mitzi, you might want to add this room to your favorites

BJB2: and if you wanted to bring students to this room to do their own research, you can do that by collaborating with Sharon

MitziWa: yes

SharonWB: Lots of resources are organized here for you

SharonWB: and I have some others in the National Institute of Aerospace Room

BJB2 . o O (NIA isn't in the student campus)

BJB2: to join Sharon when she goes to NIA type /join **SharonWB**

SharonWB left the room.

PatV left the room.

MitziWa left the room.

BJB2 left the room.

Room: NIA Group

BJB2 joined the room.

SharonWB: I added NASA eClips here

BJB2: cool. Haven't been to this group room in a while.

SharonWB: Master the Science ... Master the Game relates Pokemon to NASA

SharonWB: NASA@Home and City is really neat, too

BJB2: I'll have to make sure I have this room listed under featured passageways in the groups lobby

SharonWB: It takes you inside a house ... to see some NASA tech transfers

SharonWB: how YOUR life is easier with the help of NASA innovation

SharonWB: one last thing ... if you'd like ...

SharonWB: I was working with a colleague last weekend ...

SharonWB: and we created this hotlist of resources.

SharonWB: <http://www.kn.att.com/wired/fil/pages.listonlinebj.html>

SharonWB: It has other sites that you may enjoy visiting.

BJB2: . o O (this room is listed in the groups lobby featured passageways)

MitziWa: great

BJB2: Thanks so much, Sharon...this has been overwhelming. How do you do it all?!

SharonWB: My life is scattered.

SharonWB: times like this help me bring it together

MitziWa: Yes, thank you for making my life easier.

SharonWB smiles

PatV: Thanks Sharon. I think I have my topic for this weeks blog

SharonWB: super

SharonWB: and ... Mitzi ... please share these with your classmates

SharonWB: and Pat ... please let me know if I can help

BJB2: time to head to the Science Resources room for Pat's session.

MitziWa: I will definitely do that.

MitziWa: bye

SharonWB: I was a guest speaker for a college class last Saturday.

SharonWB : It was lots of fun

SharonWB : bye

BJB2 waves bye...talk to you soon

SharonWB : later!

SharonWB : thanks for inviting me.