

<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">

[Aug 2, 10:31 AM] stevevyborney: Good morning!

[Aug 2, 10:32 AM] stevevyborney: I'm so excited to share today. Thank you for the invitation, Christina!

[Aug 2, 10:32 AM] stevevyborney: Thank you for coming to the session, today!

[Aug 2, 10:32 AM] stevevyborney: I would love to hear where everyone is from! I'm in Eastern Oregon.

[Aug 2, 10:33 AM] Guest4063: PA

[Aug 2, 10:33 AM] zennedmath: Hi Steve! I'm a math coach from NY.

[Aug 2, 10:33 AM] Guest681: NH

[Aug 2, 10:33 AM] Guest2036: Concord NH

[Aug 2, 10:33 AM] stevevyborney: Excellent! It's fun to hear where everyone is!

[Aug 2, 10:33 AM] geonz: Champaign-Urbana, Illinois Parkland College

[Aug 2, 10:33 AM] stevevyborney: I have several animations to give away!

[Aug 2, 10:34 AM] Christina Tondevold: Thanks, for being here Steve...and all the attendees!!!

[Aug 2, 10:34 AM] stevevyborney: Thank you, Christina!

[Aug 2, 10:34 AM] Guest8954: representing. Wyoming

[Aug 2, 10:34 AM] Illinois: Western Illinois

[Aug 2, 10:35 AM] stevevyborney: Thank you for coming!

[Aug 2, 10:35 AM] Guest2677: Edmonton, Canada

[Aug 2, 10:35 AM] Geneviève Décarie: Québec, Canada ! Bonjour !

[Aug 2, 10:35 AM] stevevyborney: Bonjour!

[Aug 2, 10:35 AM] pearse_margie: Love all ideas from Steve! Our teachers use them all the time!

[Aug 2, 10:36 AM] stevevyborney: "We cannot expect our students to breathe in learning unless they are breathing out learning." Thoughts?

[Aug 2, 10:36 AM] stevevyborney: Thanks, Margie!

[Aug 2, 10:36 AM] pearse_margie: Thank you!

[Aug 2, 10:36 AM] YamaMusic: Kaiserslautern, Germany!

[Aug 2, 10:37 AM] stevevyborney: Greetings from Oregon in the U.S.!

[Aug 2, 10:37 AM] stevevyborney: If you want a video I've made of this lesson:
<http://www.stevevyborney.com/?p=102>

[Aug 2, 10:38 AM] geonz: Breathing in and out ;) YES having tools for students with assorted motor skills to make things that convey abstractoin without getting lost in the drawing is HUGE.

[Aug 2, 10:39 AM] Susan Davis: Are Steve's slides in the handouts?

[Aug 2, 10:40 AM] Geneviève Décarie: I refreshed and the video restarted again...

[Aug 2, 10:40 AM] stevevyborney: Great question: There are activities in the handouts, but not all of the slides. There are MANY activities, downloadable, videos, and lessons here:
<http://www.stevevyborney.com/>

[Aug 2, 10:40 AM] Geneviève Décarie: can't fast forward

[Aug 2, 10:40 AM] geonz: Genvieve I think you can "go full screen" and hit right arrow and move forward

[Aug 2, 10:41 AM] geonz: It's a little weird and kludgy... I don't think we're all at the same spot i the recording but you can prob'ly get close.

[Aug 2, 10:42 AM] Geneviève Décarie: thanks

[Aug 2, 10:43 AM] pearse_margie: I definitely love the opportunities to build on student thinking here and to allow for variety of student directed strategies to come to the surface.

[Aug 2, 10:44 AM] Susan Krikstone: Greetings from CT!

[Aug 2, 10:44 AM] stevevyborney: Thanks, Margie. The sense of possibilities can feel like a treasure hunt for meaningful relationships!

[Aug 2, 10:45 AM] geonz: The carving out can really, really help with folks who struggle with getting into 2 and 3 dimensions.

[Aug 2, 10:45 AM] stevevyborney: Notice that there are 6 identical forms.

[Aug 2, 10:45 AM] stevevyborney: Great point! The carving is very useful.

[Aug 2, 10:46 AM] pearse_margie: Yes! Our Ss begin to take more risks when they know what they are offering will be received as worthy.

[Aug 2, 10:46 AM] stevevyborney: Here are more free resources: <http://www.stevevyborney.com/?p=820>

[Aug 2, 10:46 AM] zennedmath: What a wonderful idea to give students several opportunities on the same figure.

[Aug 2, 10:46 AM] geonz: This connection of language and amounts in new (not "where do I copy from notes") ways is also novel and powerful.

[Aug 2, 10:48 AM] stevevyborney: These colored representations of student thinking lead to very rich discourse!

[Aug 2, 10:48 AM] stevevyborney: It's now showing so well on my screen, but there is a line now drawn under each equation.

[Aug 2, 10:48 AM] geonz: not showing well, you mean?

[Aug 2, 10:49 AM] stevevyborney: Yes, thank you!

[Aug 2, 10:51 AM] stevevyborney: 12 pages to download here: <http://www.stevevyborney.com/?p=820>

[Aug 2, 10:52 AM] geonz: Sigh, tried to ffw and lost it ... Tech's great when it works but ...

[Aug 2, 10:52 AM] stevebyborney: Students are so amazing! It is such a privilege to be in their presence!

[Aug 2, 10:53 AM] geonz: :)

[Aug 2, 10:54 AM] YamaMusic: I bet kids who play Minecraft can really relate to this.

[Aug 2, 10:54 AM] pearse_margie: Our Ss feel more capable when their strategies are being received as worthy. I love how these ideas provide all students with access

[Aug 2, 10:54 AM] stevebyborney: Minecraft connection. Yes, great point!

[Aug 2, 10:54 AM] geonz: Hmmm.... I just might make an OER for big folks based on some of this...

[Aug 2, 10:54 AM] stevebyborney: Margie, they become very excited to share their ideas!

[Aug 2, 10:54 AM] pearse_margie: I see it in my classrooms!

[Aug 2, 10:54 AM] stevebyborney: Here comes another link to download more animated resources...

[Aug 2, 10:55 AM] stevebyborney: Download the animated slides here:
<http://www.stevebyborney.com/?p=765>

[Aug 2, 10:55 AM] pearse_margie: I like the idea of following up

[Aug 2, 10:56 AM] Guest2677: Wow, thank you for sharing, Steve!

[Aug 2, 10:56 AM] stevebyborney: My pleasure! I love giving away resources!

[Aug 2, 10:56 AM] Guest7998: What program or app do you use to make these animations?

[Aug 2, 10:56 AM] pearse_margie: oops sorry - hit enter too fast Following "What do you notice" with "What else do you notice?"

[Aug 2, 10:57 AM] stevebyborney: Everything here is created in PowerPoint.

[Aug 2, 10:57 AM] Guest7998: Ok, thank you!

[Aug 2, 10:57 AM] geonz: We can get the handouts automatically... tho' I'm not sure they have all the links. They're all online though!

[Aug 2, 10:57 AM] stevebyborney: It's fun to share Splat!

[Aug 2, 10:58 AM] YamaMusic: I teach 1st/2nd grade multiage -- excited to use the Splat lessons this year!

[Aug 2, 10:58 AM] stevebyborney: Here are 50 (fifty!) Splat lessons ready to download and use:
<http://www.stevebyborney.com/?p=893>

[Aug 2, 10:59 AM] stevebyborney: I really emphasize that rule early on. If the splats are the same color, they are all covering the same number.

[Aug 2, 11:00 AM] stevebyborney: Quick comment: Much of the rich, powerful discourse happens BETWEEN the splat moment and the reveal moment.

[Aug 2, 11:02 AM] stevebyborney: The 20 downloadable FRACTION Splat lessons:
<http://www.stevebyborney.com/?p=1028>

[Aug 2, 11:03 AM] stevebyborney: The discussion AFTER the reveal can also be very powerful.

[Aug 2, 11:04 AM] stevebyborney: Splat is Motion! I AM SO EXCITED to release this on my blog very soon!!!

[Aug 2, 11:05 AM] Karen Schweitzer: I am at an earlier place in the video but are the students coloring and decomposing the shape on paper or on a device?

[Aug 2, 11:05 AM] zennedmath: I can't wait to try Splat in Motion!

[Aug 2, 11:05 AM] stevebyborney: Great question. On paper! Often, they use highlighters or colored pencils.

[Aug 2, 11:06 AM] Karen Schweitzer: Thanks. What about the sequence of slides you showed earlier - did you have those different animations prepared ahead of time or is there an app that lets you do that in real time?

[Aug 2, 11:06 AM] stevebyborney: zennedmath: Thank you! There will be 60 lessons, each with a few animated questions.

[Aug 2, 11:08 AM] stevebyborney: Karen, for this presentation I prepare them ahead of time. Often in class, I'll show an example I've prepared ahead of time so that students see the concept clearly, and then I'll use a different page that I've created with them.

[Aug 2, 11:08 AM] stevebyborney: Karen, I've found that putting student work under the document camera is very effective.

[Aug 2, 11:09 AM] pearse_margie: ooh! Loving Splat in Motion!

[Aug 2, 11:09 AM] stevebyborney: Margie, Splat in Motion is also a fantastic way to detect misconceptions.

[Aug 2, 11:10 AM] stevebyborney: The replay is very helpful.

[Aug 2, 11:10 AM] Karen Schweitzer: Yes - and using the iPad as a roaming doc camera during a discussion or to capture what they are doing as they are working.

[Aug 2, 11:10 AM] Myra Collins: Splat is great! And I love Splat in Motion. These will get kids thinking! And discussing. Wonderful.

[Aug 2, 11:10 AM] stevebyborney: Karen, great idea! Roaming document camera! That is new to me. Thank you for the tip!

[Aug 2, 11:10 AM] stevebyborney: Thanks, Myra!

[Aug 2, 11:12 AM] stevebyborney: The safety click is helpful.

[Aug 2, 11:13 AM] Karen Schweitzer: Helps that we have Apple TV and throwing a device up on the projector is really easy. Makes using Explain Everything really easy.

[Aug 2, 11:13 AM] YamaMusic: I would love to see a video clip of a splat lesson for the facilitation, pacing, & flow.

[Aug 2, 11:13 AM] stevebyborney: The additional transparent version is VERY HELPFUL! So, I'm taking a little longer to add transparent versions to each one before posting the lessons on my

Aug 2, 11:14 AM] pearse_margie: Ss will love the instant replay. Our little one would want to act it out or sure

[Aug 2, 11:14 AM] stevevyborney: Acting it out! Great idea, Margie!

[Aug 2, 11:14 AM] stevevyborney: Like the ducks in the pond!

[Aug 2, 11:15 AM] pearse_margie: Yep!!

[Aug 2, 11:15 AM] stevevyborney: There are really good discourse moments BETWEEN the reveal for A, the reveal for B, and the reveal for C.

[Aug 2, 11:16 AM] stevevyborney: Link to downloads for this strategy coming in a moment...

[Aug 2, 11:17 AM] stevevyborney: Here is the link to the Tiled Area Questions post and resources: <http://www.stevevyborney.com/?p=836>

[Aug 2, 11:17 AM] stevevyborney: I LOVE the discourse the comes out of this strategy!

[Aug 2, 11:19 AM] stevevyborney: Here is a version for primary classrooms: <http://www.stevevyborney.com/?p=857>

[Aug 2, 11:19 AM] stevevyborney: And here are 40 additional downloadable pages to use in class: <http://www.stevevyborney.com/?p=881&>

[Aug 2, 11:21 AM] stevevyborney: The bit by bit reveal is really helpful.

[Aug 2, 11:23 AM] Susan Davis: If we have to view presentations @ a later time, are we still able to see the chats??

[Aug 2, 11:24 AM] pearse_margie: Our first grade students would partner up and challenge each other using the "missing numbers" in the 100s chart. Amazing conversations revealed at debrief time

[Aug 2, 11:24 AM] stevevyborney: I think so, but that is a great question for Christina Tondevold.

[Aug 2, 11:24 AM] stevevyborney: If you want an animated copy of the Maze Hundreds chart, you can download it here: <http://www.stevevyborney.com/?p=797>

[Aug 2, 11:25 AM] stevevyborney: I'll drop in contact info as we are approaching the end...

[Aug 2, 11:25 AM] stevevyborney: If I can help in any way, you can contact me at:

[Aug 2, 11:25 AM] Christina Tondevold: Susan, yes you can view the chat after the session

[Aug 2, 11:25 AM] Karen Schweitzer: Have you had students make their own splats to use with a partner?

[Aug 2, 11:25 AM] stevevyborney: stevevyborney@gmail.com

[Aug 2, 11:25 AM] stevevyborney: Thanks, Christina!

[Aug 2, 11:26 AM] stevevyborney: www.stevevyborney.com

[Aug 2, 11:26 AM] stevevyborney: Or connect with me on Twitter: @stevevyborney

[Aug 2, 11:26 AM] Susan Davis: Thank you, Christina!!

[Aug 2, 11:26 AM] zennedmath: Thank you for sharing all of your amazing resources!

[Aug 2, 11:26 AM] stevevyborney: Karen, yes I've seen many students make their own splats. They really like it!

[Aug 2, 11:26 AM] stevevyborney: My pleasure!

[Aug 2, 11:26 AM] Karen Schweitzer: What app do you use for that?

[Aug 2, 11:27 AM] stevevyborney: Karen, I misunderstood. I thought you meant physical or paper versions. I haven't had them make their own electronic versions, but if I do I would simply use PowerPoint.

[Aug 2, 11:28 AM] Karen Schweitzer: There is a first grade game in Investigations that is like this but I love the idea of making it digital somehow.

[Aug 2, 11:28 AM] stevevyborney: This final question, of course, takes quite a while to explore.

[Aug 2, 11:30 AM] Myra Collins: This was a wonderful presentation. Thank you for sharing.

[Aug 2, 11:30 AM] stevevyborney: Thanks for coming today! Please connect with me on Twitter @stevevyborney

[Aug 2, 11:31 AM] stevevyborney: Thank you, Myra!

[Aug 2, 11:31 AM] stevevyborney: www.stevevyborney.com

[Aug 2, 11:31 AM] YamaMusic: Fantastic resources & ideas. Thanks!

[Aug 2, 11:32 AM] stevevyborney: Thank you!

[Aug 2, 11:33 AM] stevevyborney: Thanks, Christina! It was fun to see The Fish Riddle hit 1,000,000 views! <https://ed.ted.com/lessons/can-you-solve-the-fish-riddle-steve-wyborney>

[Aug 2, 11:33 AM] pearse_margie: AMAZING presentation!! Thank you for your creativity, your generosity, and your gift of pushing our/student thinking. #vms17

[Aug 2, 11:33 AM] stevevyborney: Thank you, Margie!

[Aug 2, 11:33 AM] Christina Tondevold: It is so cool to see it get that many...can't wait for it to hit 2 million!!

[Aug 2, 11:33 AM] stevevyborney: Thank you!

[Aug 2, 11:33 AM] Susan Davis: captivating!!!!!!!!!!!!!!!!!!!!!!!!!!!!

[Aug 2, 11:33 AM] stevevyborney: Thank you, Susan!

[Aug 2, 11:34 AM] stevevyborney: Christina, thank you for the opportunity to present!

[Aug 2, 11:36 AM] Christina Tondevold: Thank you, Steve. Fabulous job!!

[Aug 2, 11:42 AM] Nan: This is mind-blowing; so much to think about! Thank you for sharing all of these amazing ideas:)

[Aug 2, 11:43 AM] Karen Schweitzer: Still watching (pausing a lot) but if you are still here Steve, thanks. Very thought provoking.

[Aug 2, 2:07 PM] LMNmath: Watching this late, but this is amazing! Thank you! I'm excited to use the "Splat!

use the split:

[Aug 2, 2:31 PM] LMNmath: The Tiled Area is great - makes me miss teaching 4th grade!

[Aug 2, 2:34 PM] Guest8688: Hi Steve. This sounds interesting. Jennifer from Ontario , Canada.

[Aug 2, 5:36 PM] Guest4546: Had to laugh! I thought B had 1 more than A too!

[Aug 2, 5:50 PM] Nancy Bicknell: Thank you! This was excellent!

[Aug 3, 3:35 AM] Guest7023: I love how you used colors and pictures. This can help students visualize the activity well. What program did you use for the cube activity? Thanks.

[Aug 3, 2:53 PM] Staci Gross Thurwalker: these are great!!!

[Aug 3, 8:35 PM] Bret: Great session! I'm trying to find the carving template you mentioned in your session, but I haven't been able to. I've checked your blog also (maybe I'm not searching with the correct term?) I'm really excited about that resource, is there any way I could get pointed in the right direction for locating it?

[Aug 6, 11:21 AM] Guest2192 - : Hi! I am finding this very interesting.

[Aug 7, 10:27 AM] Beth Hajder: 126

[Aug 7, 4:58 PM] Jenny Numrich: great blog resources!

[Aug 7, 5:33 PM] Jenny Numrich: -- from 48 count back 2 to 46 now add 80 to get 126

[Aug 7, 6:34 PM] Guest3998: Your animations are amazing!

[Aug 7, 8:08 PM] Guest2763: interested how you made the hundreds chart. Snip it?

[Aug 7, 9:30 PM] Guest5552: Hello to anyone watching! Do you know which program he uses to animate?

[Aug 7, 9:32 PM] Guest3857 : I saw that question posted previously, but no answer yet :(

[Aug 7, 9:35 PM] Guest5552: Hopefully we'll find out! It's great to see on here, but I'd love to figure out how to use this in the classroom.</pre></body></html>