

IMSA's "19-19-19 COVIDeos 19" E-Learning Webinar Series

Transcript for: "Teach Your Students in Less Than 19 Minutes With a Quick Tool for Any Discipline"

Speaker: Dr. Rich Schultz

Hello everyone and welcome to IMSA's 19-19-19 COVIDeos 19 E-Learning Webinar Series. Thank you very much for attending tonight.

We're getting started here right at the top of the hour. I'm going to talk to you tonight about teaching your students in less than 19 minutes with a quick tool for any discipline. My name is Rich Schultz and I'm the online learning specialist at IMSA's Center for Teaching and Learning. We'll be bringing you 19-minute webinars held every weekday evening at 1900 hours for a total of 19 evenings coming up this month. So be sure to catch us with the webinars that we have that are coming up for you over the next 19 weekdays.

Just in case you were wondering, the PowerPoint presentation for the webinar here tonight is located at this URL. You will find it there in a PDF. Just for your reference, it is also in the chatbox. So make sure you get that down there so you could go ahead and download our PowerPoint for this evening.

Just a couple of housekeeping issues to start us off. As you already see, all of our participants are muted and their video is turned off. If you do have questions, type them in the chat box and they will be answered following the presentation in the order in which they were received. Wanted to bring to your attention a couple of IMSA's Programs. We've instituted "Ask a Specialist", so if you have followup questions on this webinar or you'd like to make an appointment and speak with one of IMSA's "Ask a Specialist" experts, then this is a one-on-one Zoom session to chat with an expert in your grade level and field of discipline. You'll see the URL at the very bottom of our screen. And that's where you can see all of our programs and sign up for "Ask a Specialist" for an appointment. Snack boxes they're designed for teachers and parents. We have lots of lessons activities by grade level and new snack boxes are going to be posted each week, so look for that. You're watching one of the 19-19-19 COVIDeo-19 e-learning webinars. These are all free. We are going to be offering 19-minute webinars for 19 days at 1900 hours. We have some remote teaching tools strategies will be looking at some tools like Google Tools, Zoom, FlipGrid, Kahoot!, Biteable, screencasting. We will look at some ways to do e-assessment. Will hear from perhaps even a student, about their perspectives on online learning. The webinars are available for free download on the calendar on the site at the URL that you see at the bottom of your screen.

And this is what you'll see when you go to that page. Teaching resources you can see on the right hand side there is "Ask a Specialist" Snack boxes there on the left. And above it, you'll see the link to the e-learning webinars. You'll also notice there's an event calendar and registration. So if you will click on that, You see the event calendar where you able to also download the video.

So, for tonight's webinar. Our learning objectives... you'll actively use a tool that we're going to introduce for inquiry-based teaching and learning This is for any discipline that you can use across the classroom. Implement the tool to be able to engage our students. We're always looking to do that right. And ask them to do some critical thinking... some of the things that we really want our students to do in the future. And we will take that tool and incorporate it to also help teach some digital literacy skills. These are the types of things that were really looking for our students to do to engage, to critically think, and to learn a little bit about digital literacy skills as well.

So, our core principles for this evening... Everything occurs in time and space. Everything has a designated location. Visuals, such as maps, form the basis for our inquiry- based learning. We want our students to go out there and do something a little bit independently and discover on their own while they are learning because that unlocks meaning. And meaning is really important for our students to put things together especially for deeper thinking. Interaction with the visuals that we're going to look at helps get our students engaged. We can use these now during a time when we are teaching online. We can also use these in the classroom. Take a look at this tool and how we might be able to use it. Like I said, this spatial tool helps our students to critically think and do some of the online interpretation that we will

demonstrate for you here tonight is an essential way to implement digital literacy skills and develop those for our students.

The tool is called Geolnquiries. It is made by a company called Esri, which is an acronym for environmental systems research institute. They tout it as the science of where. It uses a concept of spatial thinking. Remember that we said that things are in space in time. That's what our tool, the Geolnquiries, is focused on. Now the tool itself is browser-driven. You can use it with any device. The software is actually called ArcGIS Online. You really don't have any software to deal with, nothing to download, nothing to install. Like I said, it is all browser-driven. Your spatial data is going to be connected to a visual. So, we will have some data, which the students may or may not even see, but it's connected to that visual. So, it promotes the visual learners also. They see a map, like a picture is worth a thousand words. The map is going to resonate with them. Great for those visual learners. And it's completely customizable or you can just use it as it is presented by Esri.

Take a look at some of these things. Now, the Geolnquiries are problem centered. They are also inquiry-based. And they use the skills of concrete observations. So that the students can actually look at something and we can begin to ask some questions as the students begin to visualize the spatial patterns. One of the important questions is "What's there and why is it there?" and we'll take a look at that in just a moment. Students are prompted to be able to test things. We want them to formulate hypotheses. We want them to be able to test that. And we want them to go through the iterative process of being able to study something using the Scientific Method. One of the other questions aside from "What's there and why?" is "To whom would this information be useful?" Is this something that maybe a scientist would use? Is it something that an author or writer might be able to use? Let's dig a little bit deeper with some of this and you can certainly do that with Geolnquiries because they're customizable.

I'm sure that you have all seen the dashboard from Johns Hopkins University. It looks something like this. Looking at the map at the statistics. Again we're asking that question, "What's here and why?" And "To whom would this information be useful?" Well, it is useful to our healthcare workers right now, certainly. And lots of others who are making decisions about the virus spreading. But our students might be able to look at this and see what's happening spatially. What question might the students ask and what could we ask them? How can we be able to use this as educators in our classes?

Let's take a closer look at what Geolnquiries are. They're short. Probably only usually take 10 to 15 minutes. So, they are easily implemented in your classroom. They are standards-based and we're talking about content that normally something that would be in your traditional textbook. It uses a common, inquiry-based model. And it's very easily from a single computer that students can use this. Teachers can even use this from a projector in a classroom or projected right on to Zoom by sharing their screen. So each of these collections that you see on your screen in the different disciplines... American literature and Earth Science, and Environmental Science, and so forth. All of these different discipline areas have about 15 to 20 activities that can be used throughout the year. And again, they only take a few minutes to be able to implement these and for the students to look at. So it's a nice bite-size sort of exercise or activity for your students.

Throughout the presentation here you'll see lots of hyperlinks and if you download the PDF of this PowerPoint all of those will be active. Again, at the top is the URL for where you might find further information on the Geolnquiries. Each one of them comes with a .pdf teacher's guide so it's a resource guide for how to go about teaching and the pedagogy that you would use. It comes with an interactive web map URL. It comes with customizable student worksheets that you can post online. You can customize those on your own and provide those to your students. Maybe something locally that you want to take a look at. Because they're in a Word document file. And you can see here listed on the screen are all of the different disciplines. But again, about 15 minutes to do one of these exercises.

This is about what it looks like. It's actually one page and on that page will have the science standards. You'll have the map URL itself. So you just click on that... it's a hyperlink and it takes you right to the map. And then you would answer the questions and we use the five E approach. Engage, explore, explain, elaborate, and evaluate. You can learn some digital skills. There are "tech tip" boxes. You can

follow up by digging a little bit deeper and by going into some next steps. And you'll notice that they are "Creative Commons". You can use these and edit them at your free will.

A few of the GeoInquiries have different levels. So, the first level is just their very standard that require no login no types of software or anything like that and they are going to run on any computer. The second level... little deeper. They have some analysis tools for students to do a little more with it. And they require an online organization for schools But, that's completely free because Esri, the company, has made this software free for all K-12 institutions in the United States. And we're going to show you in just a moment here how you can get that.

Here's the basics of GeoInquiry Maps. You are given the URL where you can visit all this and there's a nice little introductory YouTube video here where you can watch how this is done and actually how students go through this type of exercise. So, if you are interested in diving a little bit deeper, you can get something called the Schools Mapping Software Bundle. You getting organizational account. You can get up to 10,000 licenses. Now this might be through a school, a school district, or even an entire state. Log on to this particular site where the URL is at the bottom. Check to see if your school already has a license.

We'll provide you also with some resources, so that you can get a little bit more here. The first one is particularly important. It is put out by the Illinois State Board of Education. And it is a remote learning recommendation during Covid-19. So check that out. Again, all of these links will be active when you download the .pdf version of this PowerPoint.

My name is Dr. Rich Schultz. Again I'm the Online Learning Specialist at the Illinois Mathematics and Science Academy, so please visit the IMSA Center for Teaching and Learning. E-Teaching Resources at the bottom. We have also put that in the chat box for you too so that you can make sure to visit that location.

Please complete this post-webinar survey. Give us some feedback. How did we do here? What else would you like to see? You'll have an opportunity to provide your opinion and also some feedback. Again, this link is also in the chat box as well.

Thank you very much will take some questions here now. Anybody has any questions. Go right ahead and type those in the chatbox. Some comments coming in here. Sometimes when you login after the presentation starts, you may not see those comments that are actually showing up in the chat box. Whenever it is that you login then those comments will show up.

Doesn't look like there's any other questions that are coming in. We ended just a little bit early here tonight. But, again if we do have any questions IMSA Center for Teaching and Learning. Their e-teaching resources are located at this URL at the bottom. So, we asked you to go ahead and visit that and just see what that actually looks like with our different programs. Thank you again for attending our webinar here this evening and make sure that you visit this particular site, see the calendar, and see some of the upcoming webinars that we have for you over the next 19 weeknights as part of our program. Thank you all so much. Don't forget to do that survey and we'll look for you again next time. Thank you all. Have a good evening.