

"The Art of Storytelling with a Creative Tool"

By Rich Schultz

Video Transcript:

Hello everyone and welcome to IMSA's 19-19-19 COVIDeo 19 E-Learning Webinar Series.

Tonight will be bringing you "The Art of Storytelling With a Creative Tool."

This is part of a National Science Foundation Grant with the National Geospatial Technology Center of Excellence and our research there.

Just in case you were wondering, the PowerPoint presentation for this webinar can be downloaded in a .pdf document.

You can see the URL in yellow on your screen.

It can also be accessed at the Illinois Mathematics and Science Academy IMSA.edu site e-learning. We will give you another link for that a little bit later here in this webinar.

The Illinois Math and Science Academy is a 3-year residential high school for gifted students in Aurora Illinois.

The students

stay on campus It is residential and the curriculum is STEM-based.

Our mission at IMSA is to ignite and nurture creative, ethical scientific minds that advance the human condition.

I'm part of the IMSA Center for Teaching and Learning where our core competency areas are inquiry-based, problem centered, competency driven, and integrative pedagogies.

Just a couple of housekeeping issues for tonight here as we get started with our webinar.

All participants are muted. The video is turned off and we are recording the webinar.

Please type in the questions in the chat box at the end of the presentation and we will answer those.

I want to point out some of IMSA's programs also that may be of interest to you.

Our "Ask a Specialist" program. You can register for that on the URL that you see at the bottom of your screen. It's a 30-minute appointment

one-on-one with one of IMSA's "Ask a Specialist" experts You'll do a Zoom session and you will talk about about something that may be of interest to you in your grade level and your field of discipline.

We also have IMSA Snack Boxes. The Snack Box is designed for both teachers and parents.

It's a STEM-focused lesson or activity

that's sorted by grade level and by discipline. The Snack Boxes are posted each week. So, check

back on that on a regular basis and you can download those.

And then finally, an archive of our COVIDeos e-learning webinars. They're on that page as well that you see on the bottom of your screen.

When you log into that E-Teaching Resources

site, you'll

see the webinar archive there.

The event calendar and the registration there at the top of your screen.

The IMSA Snack boxes are below that.

You can download those and they are updated on a weekly basis, as I noted.

And there's the "Ask a Specialist" on the right-hand side. You can schedule that by clicking on the blue box.

And you can you even meet our specialist and learn about who might be appropriate for your grade level and your discipline.

Again, please visit the URL at the bottom of your screen.

Well, tonight our learning objectives are going to be using a simple technology.

Educators always want something simple that's straight to the point.

And we have it for you tonight. It's about storytelling.

And, we'll

talk a little bit about the importance

of storytelling for our students to help

them learn.

And we will present this tool for you that can be embedded in your classroom for any discipline.

We'll help you to be able to create and storyboard, so you'll have some pre-defined customizable templates to your disposal.

And you can develop visual and problem-solving skills for your students. That's

something that I think that we all want as educators

for our students to think very deeply. And

using the tools that we have here for you tonight that's certainly possible.

We'll look at the reasoning behind telling stories. We'll look at our tool called Story Maps.

We'll provide some access to free templates for you and we'll also give you a couple of examples that have been used in classroom so you can see what's possible to be able to be done for your students and how they might learn from what is created.

Well, one of the things that's interesting about stories is that in the past...

storytelling was really the only means by which we could pass on our culture,

our language, our knowledge, our beliefs and some of our cultural traditions

that we had.

Now today, we really have some technology that can provide that for us.

So it's not just the oral

storytelling,

but technology and the tools behind it that can assist with that.

One of the things that I'm a great advocate for is...

embedding some geography into your class. We all know probably a little bit

about the lacking in geographic literacy that occurs in our educational systems.

That's the topic for another webinar, but I think it's important that we help our students to be able to

answer what I call "The Five W's". A couple of questions here

that we want our students to dig into in some detail.

We can ask who was

involved? What

happened?

Where did it take place? relating that to the geography.

When did it occur? During what
time interval?

Why did that happen?

And now we can even add in a "how" because we can

Study this in a very multimedia type of presentation.

So just what are Story Maps? Well, it's an online app that is free, as I noted before, with customizable templates.

That helps you to be able to...

flesh out the storytelling that you might be able to do in your classroom. The multimedia experience that you can craft can have just about any sort of plug-in to it: videos, photos, text, just about anything that you want.

And the good part is that not only is it free, but it's Creative Commons.

So it can be shared readily.

Going to point out here one of the Story Maps

and some examples through a little video here. And why storytelling is important.

And also why

just using the notion of the Story Maps can be very important for learning in our classroom.

[video] Maps have always told stories. It just never done so, quite like this. If you have a story to tell and where it takes place is a big part of the story,

ArcGIS Story Maps is the way to tell it. Now, it's reimagined, redesigned, and rebuilt from the ground up. You can make a Story Map in minutes

no matter your digital skill set.

You can edit fast or thoroughly customize. You can do it all yourself or work in a team. Share and publish and make your mark on the world.

Every story has a place and every place has a story. Make yours count. [end of video]

So I hope that gives us a little bit of a look at what Story Maps is. I love that that every story has a place and every place has a story.

That's something definitely to delve into much deeper as part of your teachings.

This was brought to you by Esri, a company that is considered to be the GIS leader. In environmental systems research institute is what as Esri stands for. Industry standard GIS software company located in Southern California.

I might add also that, as part of a large initiative, ConnectEd,

the Esri company has made available ArcGIS for Schools, the licensed software bundle.

The red URL there is where you can find that. It is free for all K through 12 institutions at

no cost through the entire country, so no matter whether you're a public or private school, whether you're homeschooling your student,

whether it's part of a youth service club.

Anyone can be able to... any organization can be able to get this particular software for free.

Very powerful tools here and many licenses that are available.

When you log into Story Maps, the customized templates. The first thing you'll see here with the URL that you see on your screen in blue

is a gallery of different Story Map and you can search by a number of different disciplines.

So, on the left-hand side, you can see there are lots of different subjects, business and economy, in the news, current events. And then by industry as well. Government, health and health services. Something is very topical right now.

So, there's a wide variety of different story maps that are available to choose from.

When you log into the URL that's on the site above... on the URL above.

You'll see...

this particular screen, where you can literally choose from all of these predefined templates and essentially just click on them to be able to create a story

and build from that. Probably the easiest one to start out with, might be the story map journal, which could include videos and photographs, text.

You can include a map if you like.

You can pick one of those customizable templates by clicking on

"pick an app".

And you pretty much go from there. And it will lead you through that.

I'd like to share with you one of the Story Maps that I created recently for America's National Parks.

It would be ideal for a geography class, but it could be used in lots of different types of classes to present geography. Maybe even to look at some geology.

Here is what it looks like.

When you first log in you'll see this particular video.

And you'll scroll down.

And you'll be able to see a little something here about our National Parks. We'll have to update this. The new National Parks are being added all the time.

And you'll see a 3D virtual globe.

Now this is part of the ArcGIS Online package that's part of the free bundle.

You can see that this globe is actually active.

Zoom in. You can Zoom out. You can

pan on it.

A whole host of things that you can do if you click on some of these. I'm going to click here.

Yellowstone National Park here.

You can see that it shows some data about that.

Area and where it's located and so forth. So very handy to be able to do that and see where these National Parks are located.

You can scroll down a little bit past that you'll see in alphabetical order, the national parks are listed.

The first one being Acadia National Park in the northeastern United States.

And you'll see also the 3D globe on that with the boundaries of the park highlighted.

Click on that.

Much the same way that you did on the 3D globe above.

It'll tell you that this is part of Acadia National Park. Give you some data about it's area and length and so forth.

Again you can zoom in zoom out.

It takes a little time sometimes because there's so much data here to be able to render this.

But certainly useful for being able to teach and being able to use as a resource tool. Might even be something when you go on your next vacation that you might be able to use as a resource guide.

There's also an accompanying video. A YouTube-type clip that goes along with it. Usually those are about 5 minutes and they give you some detail about that park.

Scroll down... the next park is listed. You can see American Samoa National Park.

If you decided you wanted to take a vacation in Pago Pago. Certainly that is possible and you can learn a little bit about it.

What it looks like... zoom, in zoom out, so forth. Definitely something that can be used as a tool. And it really does

tell that kind of story for us.

To be able to.

really flesh out some of the details here that I don't think you'd normally be able to do just by using some photographs.

This is really a 3D Interactive Learning lesson.

Here's one on "Celebrating Women's Rights" as part of the United Nations Sustainable Development Goals.

What I'm going to do here is go ahead and pull this one upon

"Celebrating Women's Rights".

I did not create this one. It's by another author.

But they give you a little bit of information here about the Sustainable Development Goals. All seventeen of these.

As you can see, if you scroll down, you'll get some further information about each one of these.

So, there are these little text boxes,

that provide you with further information to tell this story.

One of the ones that's particularly important now in the news, of course, is good health and well-being.

That is Goal number 3.

This one looks at the number of different goals: quality education, gender equality, of course, decent work and economic growth.

Scroll down. It gives you the symbol for it. And again,

More information here on these little text boxes.

And it pulls up a nice map here. World map. It gives you some data. It's clickable, of course, just like the other maps that I've shown you. These are active.

You can zoom in, zoom out, pan and click.

It's noting here in this dialog box that the Central African Republic, 882 women die for every 100,000 live births.

This particular map is addressing that particular issue. Finland three women die for every 100,000 live births.

You can click all over the map, compare and contrast the different nations. United States only 14 women die

for every 100,000 live births.

So you can certainly compare and

look at the differences upon what's happening on a global basis. And I think that's important for our students to see the big picture of things on a global basis.

Let's take a quick look at the next one here that was created certainly a global type story map.

Look at the URL there. And this one is on the National Parks. I called it the "Top 10 Australian National Parks."

Let's take a very quick look at that one.

You can see when you pull it up it has a map of Australia with the top. Actually all of the national parks are listed. Those are clickable. The map is live. Zoom in, zoom out.

On the left-hand side,

tells you a little bit about the famous

Ayers Rock.

The monolith. Big orange monolith. Is famous also known as Uluru.

Little video here about Australian National Parks. Takes you on a little tour of those.

Then as you scroll down, it'll list the national parks, the top 10 I chose completely subjectively.

The map on the right-hand side shows you exactly where that is located.

And if you zoom way out here you can see that

Fort Campbell National Park is way in Victoria way on the southern tip there.

Just a little bit west and south of Melbourne.

That's what this particular Story Map looks like.

Again one of those tours that you can make you zoom in, hone in on lots of different types of features here. Again one of these great learning tools. So, I hope that knowing a little bit about Story Maps, that they exist, that you can build these on your own. That you can get started. There's a tutorial here listed on this URL that'll take you step-by-step almost like a cookbook.

And it takes you through the entire process of building a story map on your own.

You can see in the upper right-hand corner... that's the now famous Johns Hopkins dashboard. So it's that type of thing that you'll be able to build a Story

Map about and be able to jump in with your students

and provide more details on any discipline

and on story that you want to tell. Or have your students create the Story Maps as well.

I provided some resources here for you. I hope those are helpful to you.

And again, my name is Dr. Rich Schultz. I'm the

Online learning person at the

Illinois Mathematics

and Science Academy as part of the Center for Teaching and Learning.

I will just remind you of some upcoming webinars that are taking place. April

28th, we have

"Alternative Assessments for E-Learning" by Karen Ye.

And on April 29th, we have "Introducing Family STEM Snack Boxes" by Nicole Ross and Karen Ye.

So take a look at the yellow highlighted URL there to find more events at IMSA.

I would ask that you please complete this

post webinar survey with this very easy to remember URL.

bit.ly

/191919survey.

I want to thank you all very much for attending here this evening.

Visit IMSA's

website.

Learning resources.