





Efforts in Middle and High School GIS Education

RIGIS User Group Meeting
February 25, 2020
Peter Stetson



Who am I? and What do I do with GIS?

Retired High School Science Teacher

2004 Began GIS journey - Thanks to Lyn Malone!

2009 and 2017 T3G participant; 2009 ran GIS Day at CHS

2012/13 iGETT-Remote Sensing

2013 ESRI Youth Service Grant - RI Envirothon, Inc

Used GIS to teach Earth Science, Biology, Environmental Science, Forensics

2017 Power of Data facilitator training; established Educational Mapping Service

Power of Data - POD

POD-STEM.ORG

Empowering students with Geospatial Inquiry

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Power of Data



POD - NSF Research Grant

Geolnquiry for Middle and High School educators

Summer 2018 - RIC - Thanks to RI Geographic Education Alliance

- 8 educators - Tollgate, Mount Pleasant, Alan Shawn Feinstein MS, Exeter West Greenwich, Nathan Bishop MS: Math, Special Needs, Science, Social Studies, Wildlife Conservation

Summer 2019 - Two sessions - URI and EWG HS

17 educators - Cranston East, Coventry HS, Alan Shawn Feinstein MS, Providence Career and Tech: Math, Social Studies, Art, Science, Special Needs

12 educators - Alan Shawn Feinstein MS, Coventry HS, Wheeler School, Prout School, Hope Highlands MS: Math, Science

StoryMap Competition



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Sign In

ArcGIS Online School Competition 2020

A mapping competition open to high school and middle school students in the United States

Students analyzing, interpreting, and presenting data via ArcGIS StoryMaps

Statistics Concept....pdf ^

Statistics Concept....pdf ^

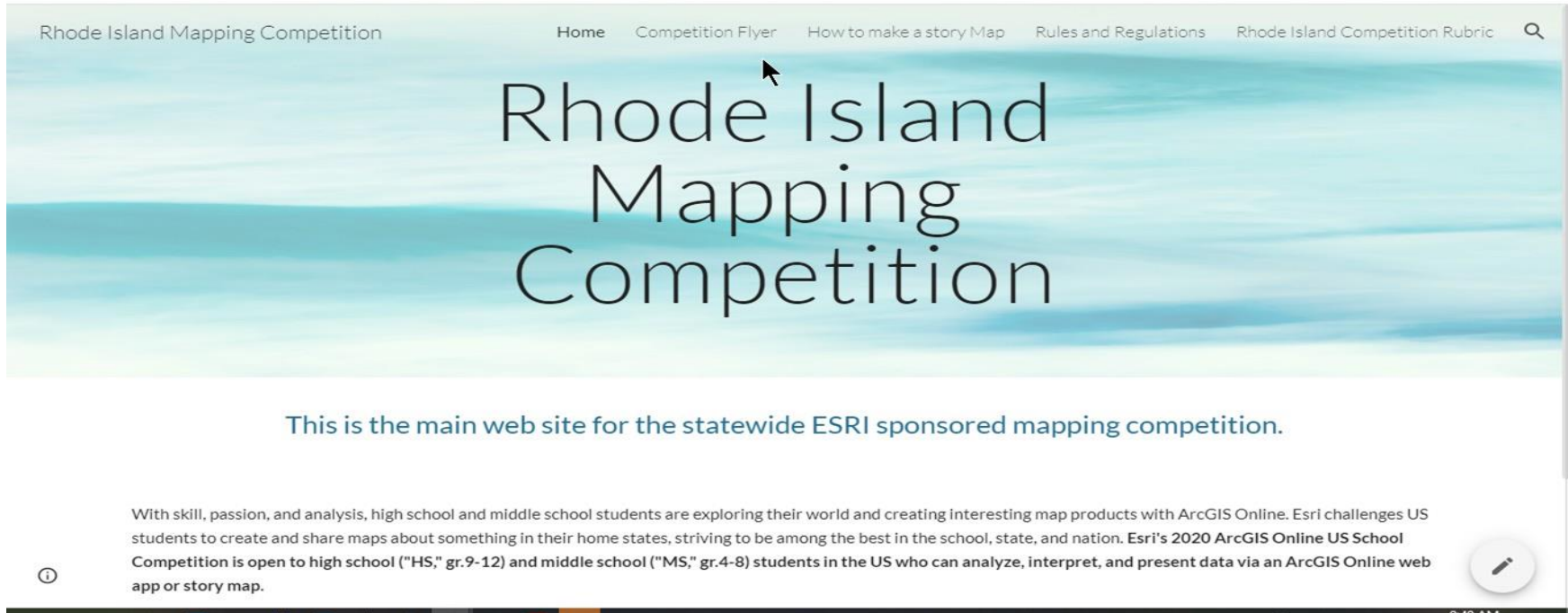
Statistics Concept....pptx ^

Show all X

10:40 AM

Rhode Island Competition Site

<https://sites.google.com/view/rhodeislandmappingcompetition/home>



The screenshot shows the home page of the Rhode Island Mapping Competition website. The page has a light blue and green background with a blurred image of a landscape. At the top, there is a navigation bar with the following links: "Home", "Competition Flyer", "How to make a story Map", "Rules and Regulations", and "Rhode Island Competition Rubric". A search icon is located in the top right corner. The main heading "Rhode Island Mapping Competition" is centered on the page in a large, black, sans-serif font. Below the heading, there is a paragraph of text: "This is the main web site for the statewide ESRI sponsored mapping competition." At the bottom of the page, there is a paragraph of text: "With skill, passion, and analysis, high school and middle school students are exploring their world and creating interesting map products with ArcGIS Online. Esri challenges US students to create and share maps about something in their home states, striving to be among the best in the school, state, and nation. Esri's 2020 ArcGIS Online US School Competition is open to high school ("HS," gr.9-12) and middle school ("MS," gr.4-8) students in the US who can analyze, interpret, and present data via an ArcGIS Online web app or story map." There is an information icon (i) in the bottom left corner and a pencil icon in the bottom right corner.

Rhode Island Mapping Competition

Home Competition Flyer How to make a story Map Rules and Regulations Rhode Island Competition Rubric

Rhode Island Mapping Competition

This is the main web site for the statewide ESRI sponsored mapping competition.

With skill, passion, and analysis, high school and middle school students are exploring their world and creating interesting map products with ArcGIS Online. Esri challenges US students to create and share maps about something in their home states, striving to be among the best in the school, state, and nation. Esri's 2020 ArcGIS Online US School Competition is open to high school ("HS," gr.9-12) and middle school ("MS," gr.4-8) students in the US who can analyze, interpret, and present data via an ArcGIS Online web app or story map.

RI Statewide Mapping Competition

Fourth year - ESRI contributes \$1000 prize money - Two divisions:

- top 5 High School [9-12] and top 5 Middle School [4-8] apps or storymaps.
- State winners in each division are entered in a national competition. National winners, teacher and parent attend EDUC in San Diego, Ca and display their entry.

Land and Water Summit - Connecting Land Trusts and Conservation Committees with schools to create storymaps.

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Geospatial Science & Technology Educator Certification...

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Welcome to the GSTEdC Pilot Program!

Before you begin the program, please watch the following two introductory videos.

[Video #1: Welcome to the GSTEdC Program](#)

GSTEdC Video Copy link

GSTEdC

View Course Stream

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View Course Calendar

To Do

Teaching Geography Using ... Feb 12 at 8:48am

Recent Feedback

Unit 2.2 Video Discussion
GSTEdC Pathway
1.88 out of 1.88
"I remember that both of my sons at the age of 3 to 4 wanted to be garbage truck drivers! It was what they saw and bo..."

Unit 2.1 Online Assignment
GSTEdC Pathway
"Peter, I am getting an error when

Statistics Concept....pdf

Statistics Concept....pdf

Statistics Concept....pptx

Show all

0:55 AM

Pilot Certification Program



2 from RI!

Marcy Ward - Science teacher from Exeter-West Greenwich School

Teaches -Biology, Wildlife Management

Peter Stetson - Retired Science Teacher from Coventry High School

Established Educational Mapping Service to promote GIS in
Education