

WELCOME TO THE 2020 EDUCATION SUMMIT



Before we begin...

- Attendees are in listen-only mode
- Please enter questions into the Q&A panel at any time
- If you wish to direct a question to a specific person, please include his/her name with the question (e.g., @Jack)
- Sessions are being recorded. Recordings will be available at proceedings.esri.com in a few weeks.

How may we help you?



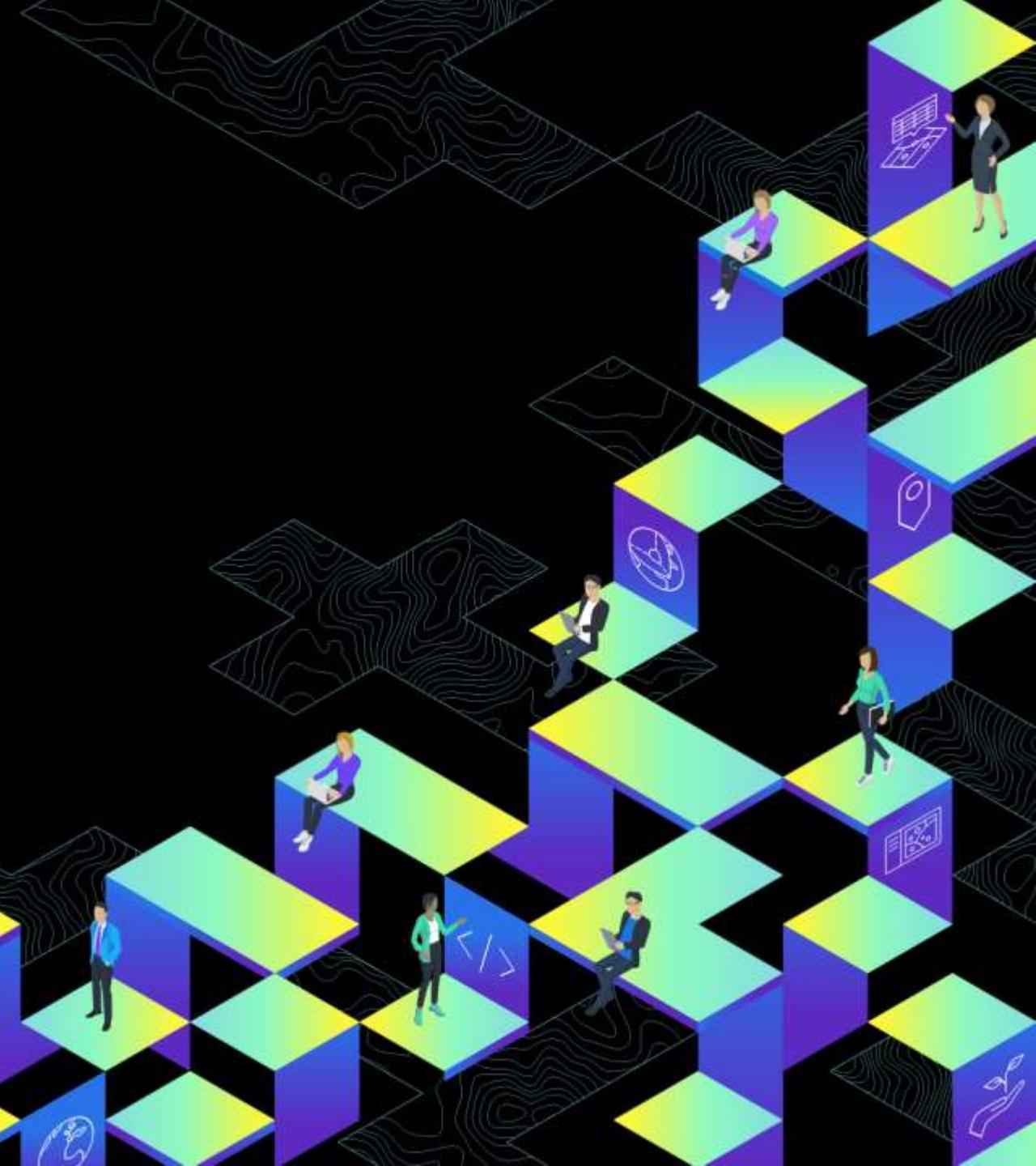
**To connect with your
Account Manager, submit a
request through this form
and a member of our team
will contact you next week.**

<https://arcg.is/1GKei81>



DATA COLLECTION

Kylie Donia



DATA COLLECTION PROJECTS

Kylie Donia



DATA COLLECTION

<https://arcg.is/0SvCjb>



Understanding data takes playing with it. As you create data, you learn to think critically about it and evaluate it.

<https://arcg.is/0SvCjb>



Demo: A simple data collection project

- What's your favorite color?
- Play along! <https://arcg.is/1bTqHu>
- StoryMap: <https://www.esriurl.com/favcolor>

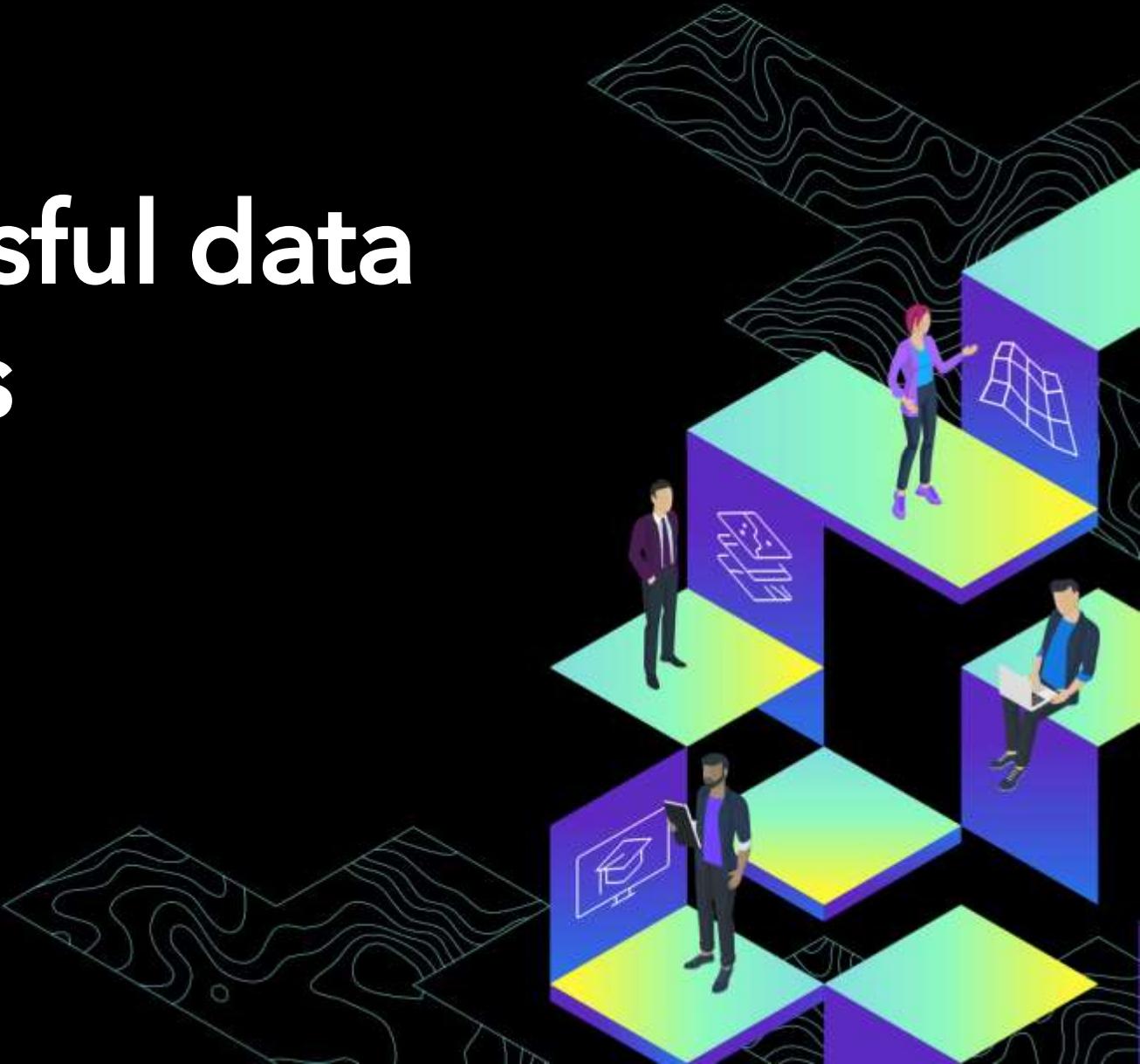


How to do data collection with your class

- Use ArcGIS for Schools Bundle (free) or a GIS Club Kit (free, temporary)
- Design your project
- Choose an app (tool) & set it up
- Collect the data
- Use the collected data

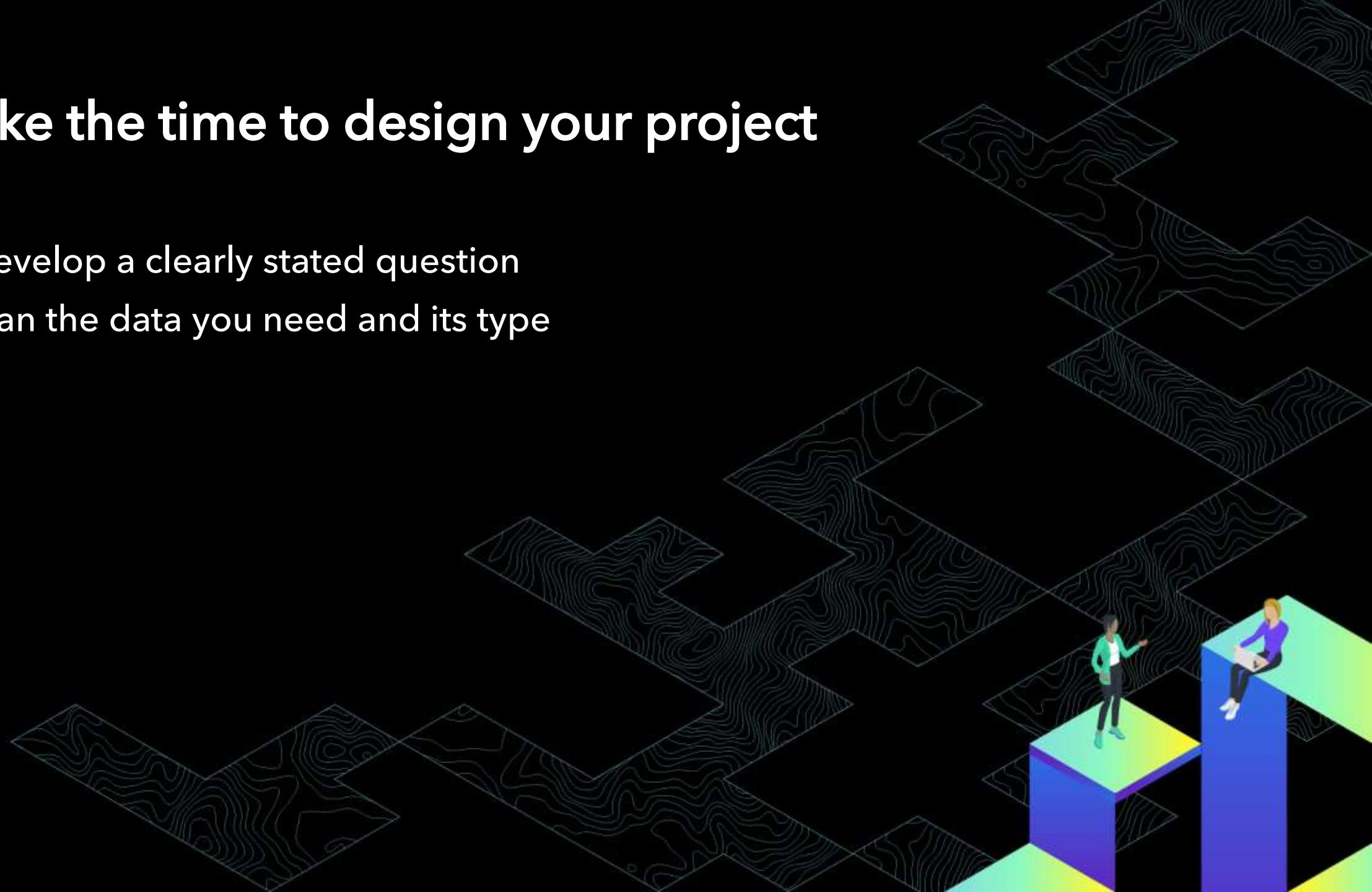


10 Tips for successful data collection projects

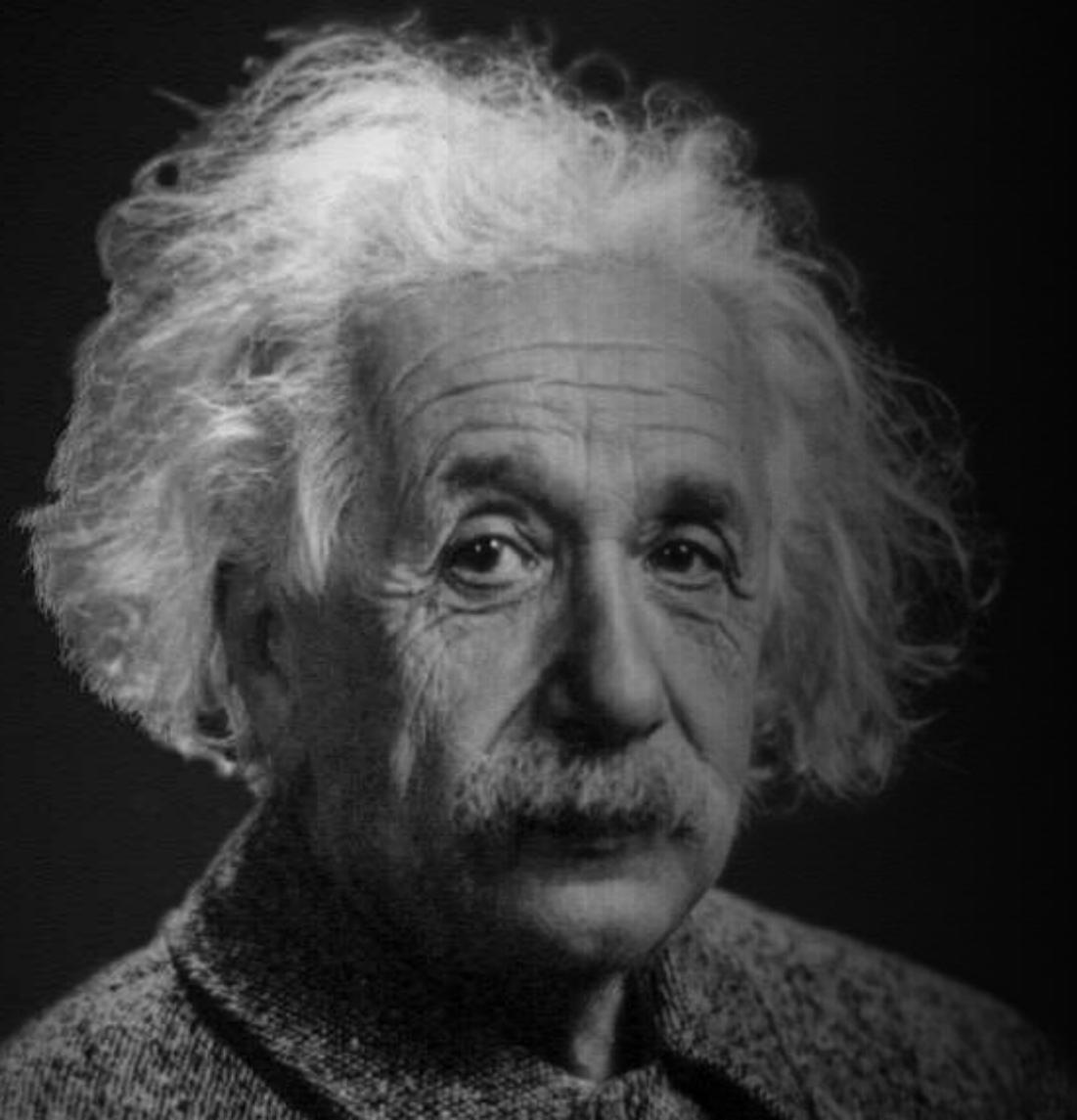


1. Take the time to design your project

- A. Develop a clearly stated question
- B. Plan the data you need and its type



A. Develop a clearly stated question



If I had an hour to solve a problem and my life depended on it, I would use the first 55 minutes determining the proper questions to ask.

- Albert Einstein

*Get and share ideas on the GeoProjects site:
<https://esriurl.com/geoprojects>*

B. Plan the data you need and its type

- Make it interesting!
- What is your question or problem to solve?
- What information do you need to answer or resolve your question?
- What do you want to do with the data once you have it?



2. Choose your app wisely



ArcGIS Survey123

- Fill out a form
- Example:
Interviews



ArcGIS Collector

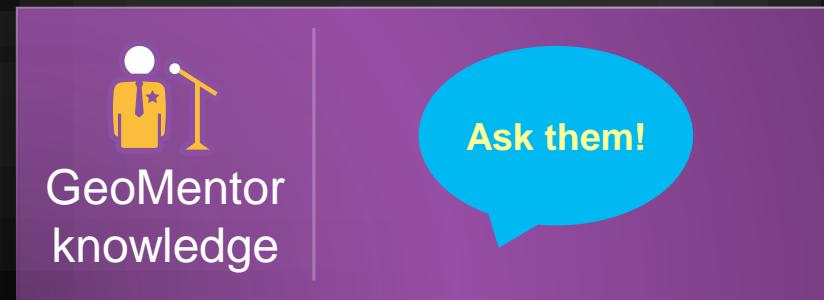
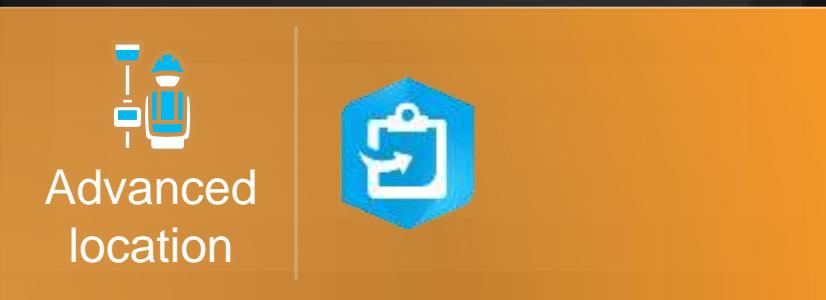
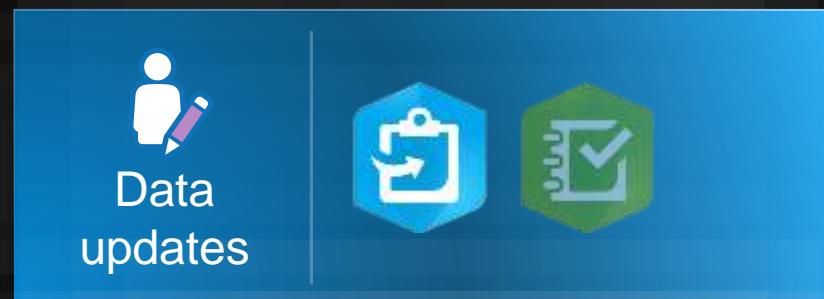
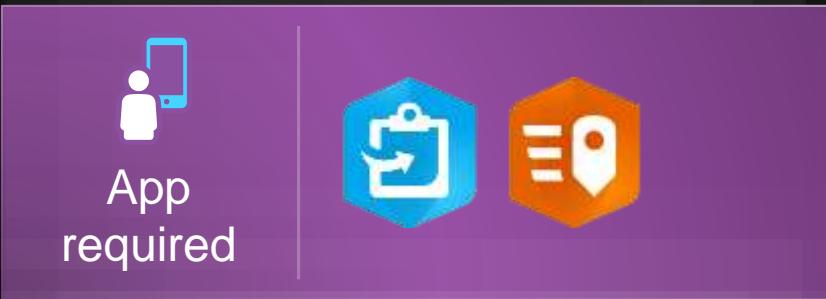
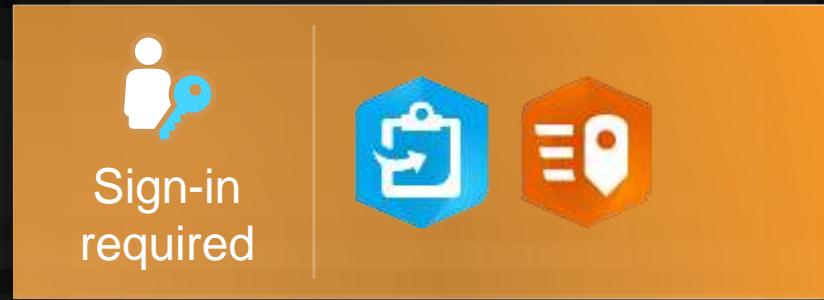
- Place info on a map
- Example:
Map your school



ArcGIS QuickCapture

- Press a single button
- Example:
Trash locations

2. Choose your app wisely

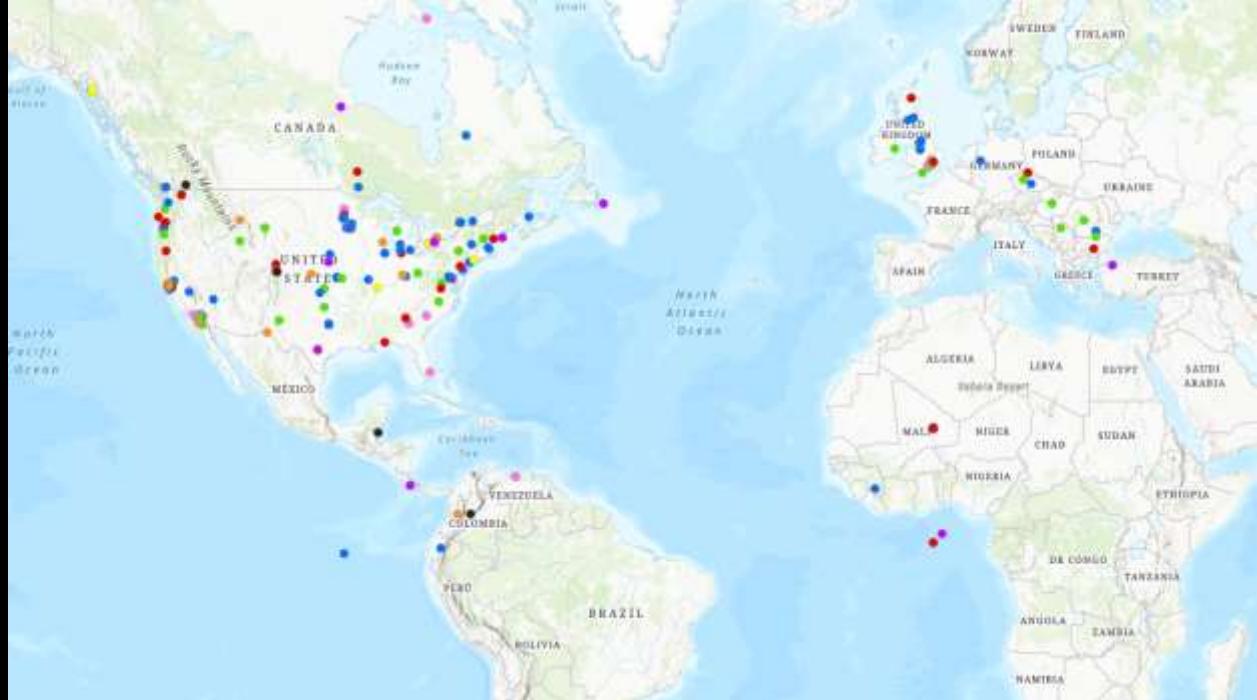


3. Incorporate analysis, storytelling, and action

Not only is it important to ask questions and find the answers, as a scientist I feel obligated to communicate with the world what we were learning.

- Stephen Hawking





Visual analysis

What do you see?



Soundscape

Analysis > Analyze patterns >
Interpolate points

3. Incorporate analysis, storytelling, and action



*Map Viewer &
Configurable apps*



*ArcGIS Experience
Builder*



*ArcGIS
StoryMaps*



*Scene
Viewer*



*ArcGIS Web
AppBuilder*



*ArcGIS
Dashboards*

Dashboard demo: Who are you?

- From the plenary survey - <https://arcg.is/nfLqy>
- Play along <https://arcg.is/educ20dashboard>





Add



Edit



Appearance



Settings

4. Author your survey in the web designer

Singleline Text

Multiline Text

Single Choice

Single Choice Grid

Multiple Choice

Dropdown

Rating

Likert

Number

Date

Time

Date/Time

Image

File Upload

Map

Ranking

Email

Website

Signature

Note

Group

Page

Saved

Preview

Publish

5. Customize your popups

- Basic (clean up, narrative)
- Advanced (Arcade)
- New Map Viewer (Beta)!

Pop-ups

EdSummit2020_K12Welcome_DashboardView

Pop-ups authored in Map Viewer Beta are not compatible with all apps. [Learn more](#)

Enable pop-ups

Manage expressions [»](#)

Title
[name] [Edit](#)

A Text Hi! I'm [name]. I've been... [...](#)

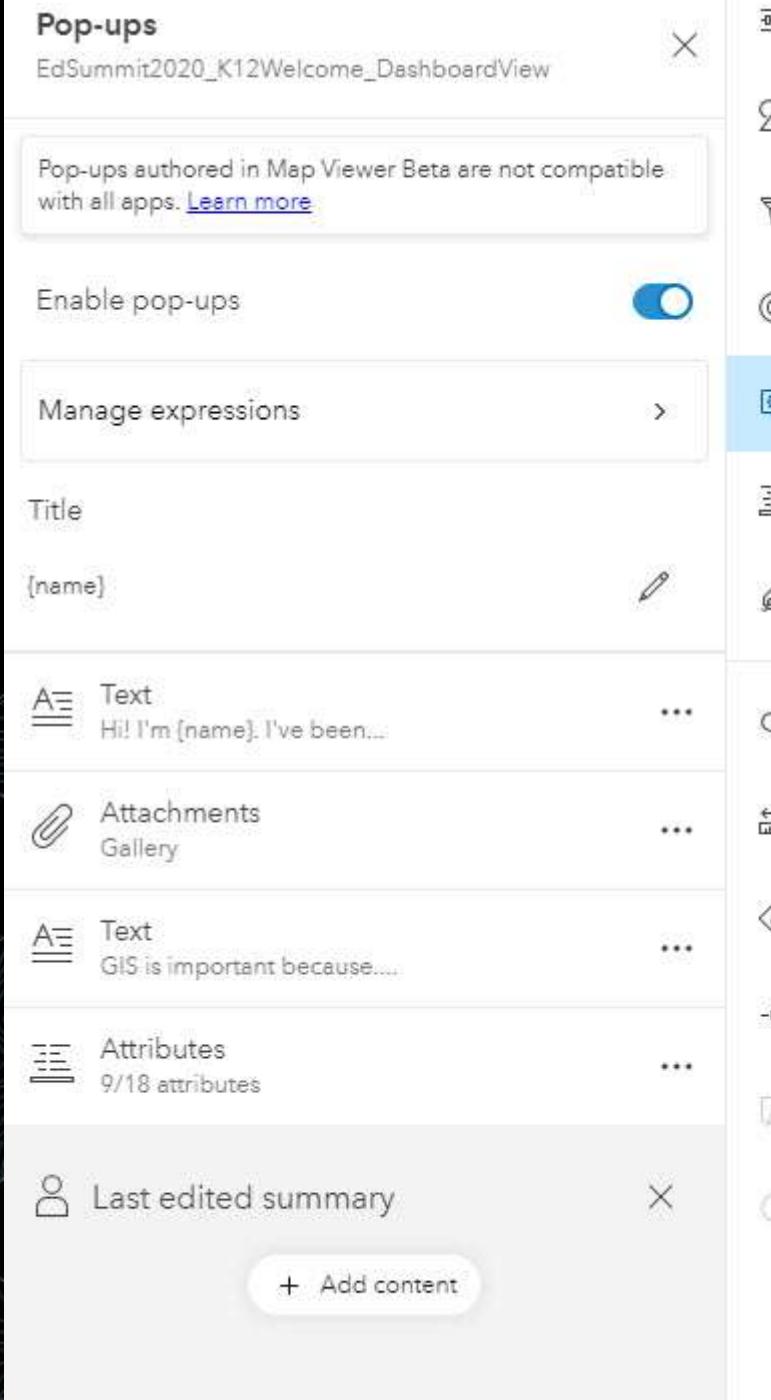
Attachments Gallery [...](#)

A Text GIS is important because... [...](#)

Attributes 9/18 attributes [...](#)

Last edited summary [X](#)

+ Add content



6. Capture YOUR data

- Create your best-case scenario
- Guide your users to the information and formats you need
- Use:
 - Logic and validation (required questions, conditional questions, defaults, skips, cascading selects)
 - Look and feel (groups, languages, pages, themes, hints)



7. Use hosted feature layer views

- Same underlying data
- Control who has access to what
- Filter a layer, and the data is still there.
Make a view, and there is only access to what you include.

<https://doc.arcgis.com/en/arcgis-online/manage-data/create-hosted-views.htm>

8. Author your survey in Survey123 Connect

- Connect = More for “YOUR data”
 - advanced logic, validation, and rules
 - cascading selects, repeats
 - formulas
 - additional visual customizations
 - support multiple languages
- Differences between web and connect - <http://esriurl.com/survey123WebVsConnect>
- XLSForm standard - <http://esriurl.com/xlsforms>
- Share survey designs (.xlsx) for others to customize and publish

9. Take maps offline with Survey123



Survey123 web



ArcGIS Online



Survey123 Connect

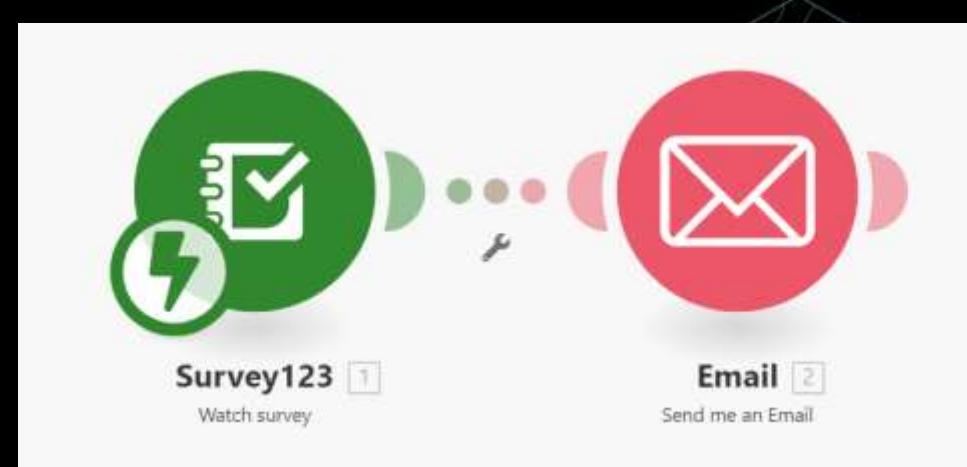


Survey123 field

<http://esriurl.com/survey123offline>

10. Webhooks and Integromat

- “Things” automagically happen on submission
 - Send email
 - Process data
 - Run a script



4 minute video:
<http://esriurl.com/survey123Integromat>

Congratulations!

You are ready for the ArcGIS Schools Competition

<https://esriurl.com/agoschoolcomp>



Quick note on PII

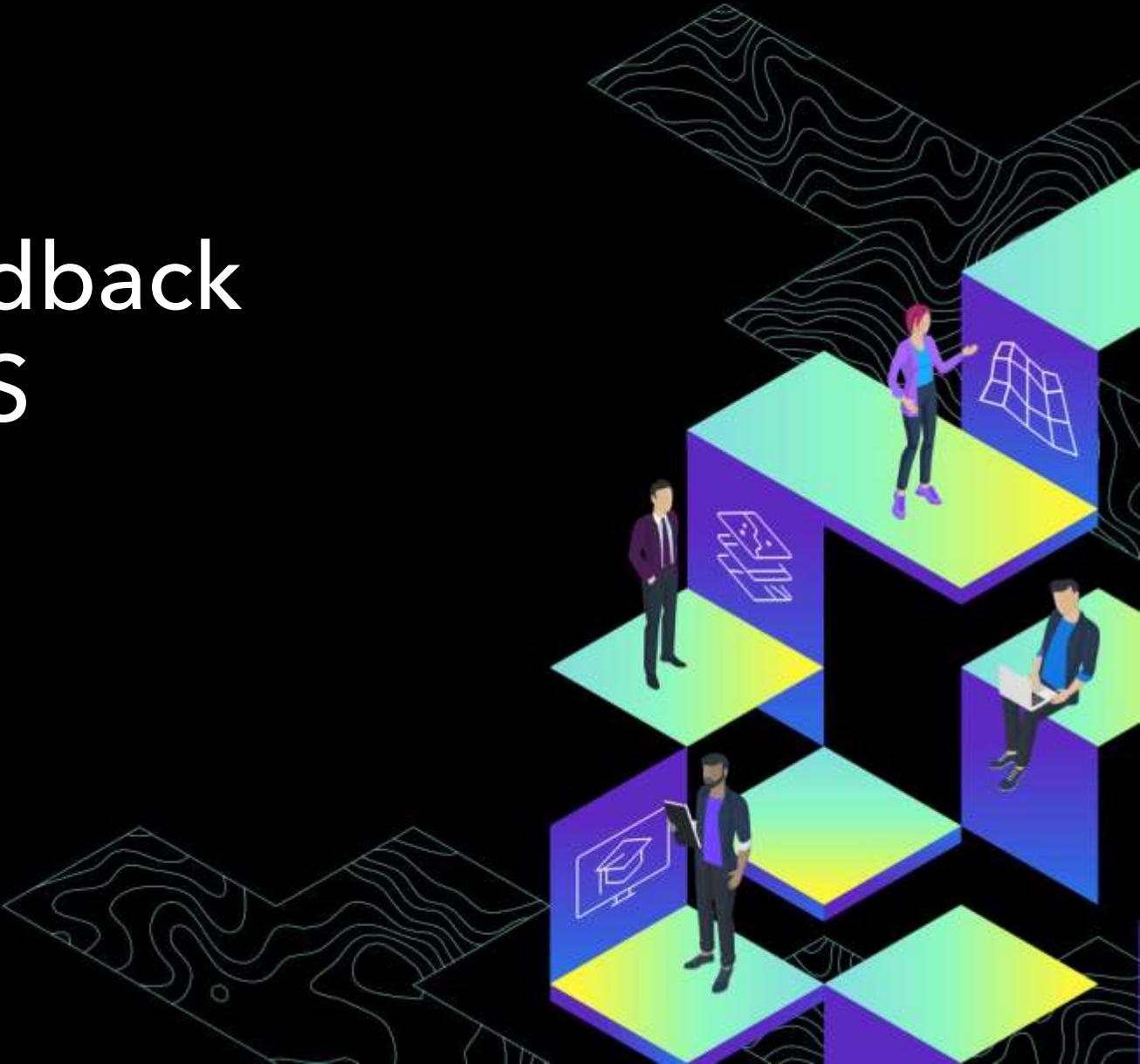
- Can use a nearby intersection for location
- Remind students not to collect using GPS right at or in their homes
- Consider who you allow to view the data
- Consider “blurring” your data through analysis

Click to Edit Tagline (optional)

Learn more

- Get an ArcGIS for Schools Bundle - <https://esriurl.com/schoolsoftware>
- Get a GIS Club Kit - <https://esriurl.com/gisclubkit>
- GeoProjects - <https://esriurl.com/geoprojects>
- Choosing which app to use - <https://esriurl.com/appsinschools>
(and resources on getting started with each)
- Find a GeoMentor - <http://www.aag.org/geomentors>
- ArcGIS Online Competition for US Students - <https://esriurl.com/agoschoolcomp>

Please share your feedback
<https://arcg.is/18u5bS>





THE
SCIENCE
OF
WHERE®

