

Facilitating Inquiry-Based Learning with Google Apps for Education

<https://goo.gl/wWCVnb>

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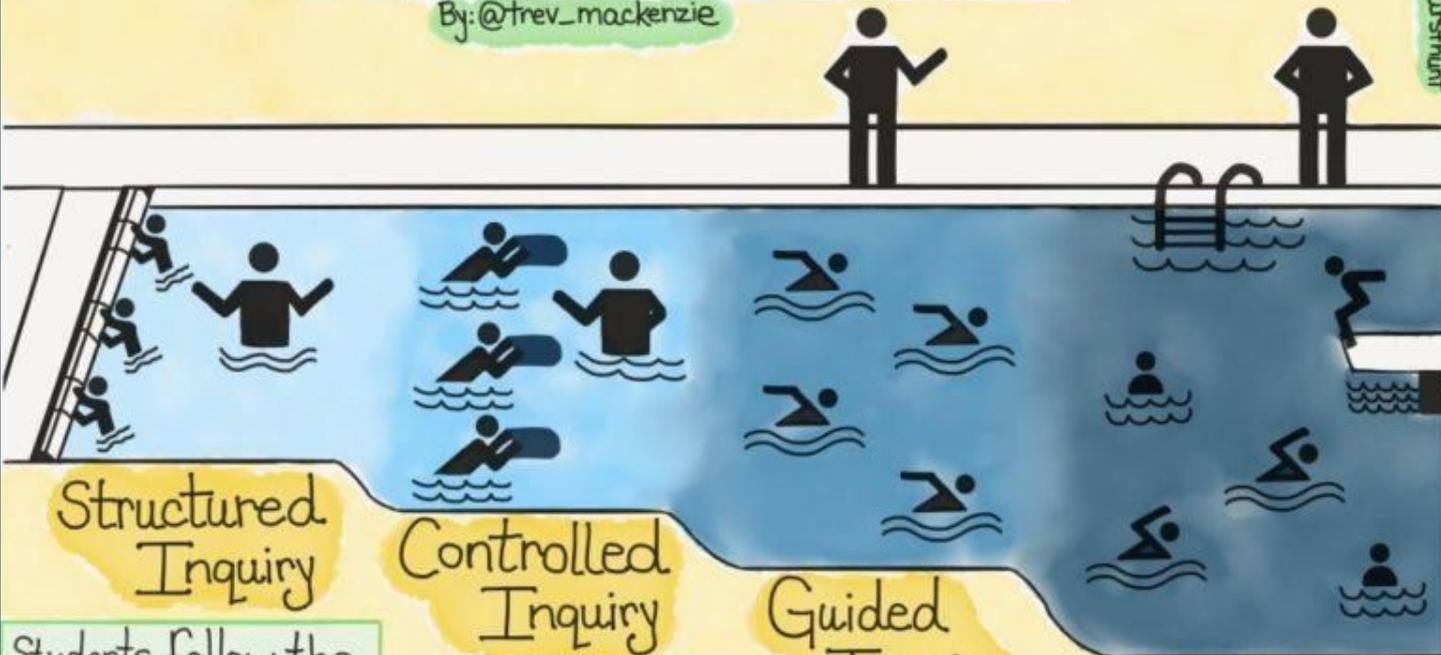
Guiding Questions

- What is inquiry-based learning?
- How can inquiry-based learning be scaffolded and supported?
- How can I implement inquiry-based learning in the classroom?
- How do I use Google Sites?

Types of Student Inquiry

By: @trev_mackenzie

@rboothursthurf



Structured Inquiry

Students follow the lead of the teacher as the entire class engages in one inquiry together.

Controlled Inquiry

Teacher chooses topics and identifies the resources students will use to answer questions.

Guided Inquiry

Teacher chooses topics/questions and students design product or solution.

Free Inquiry

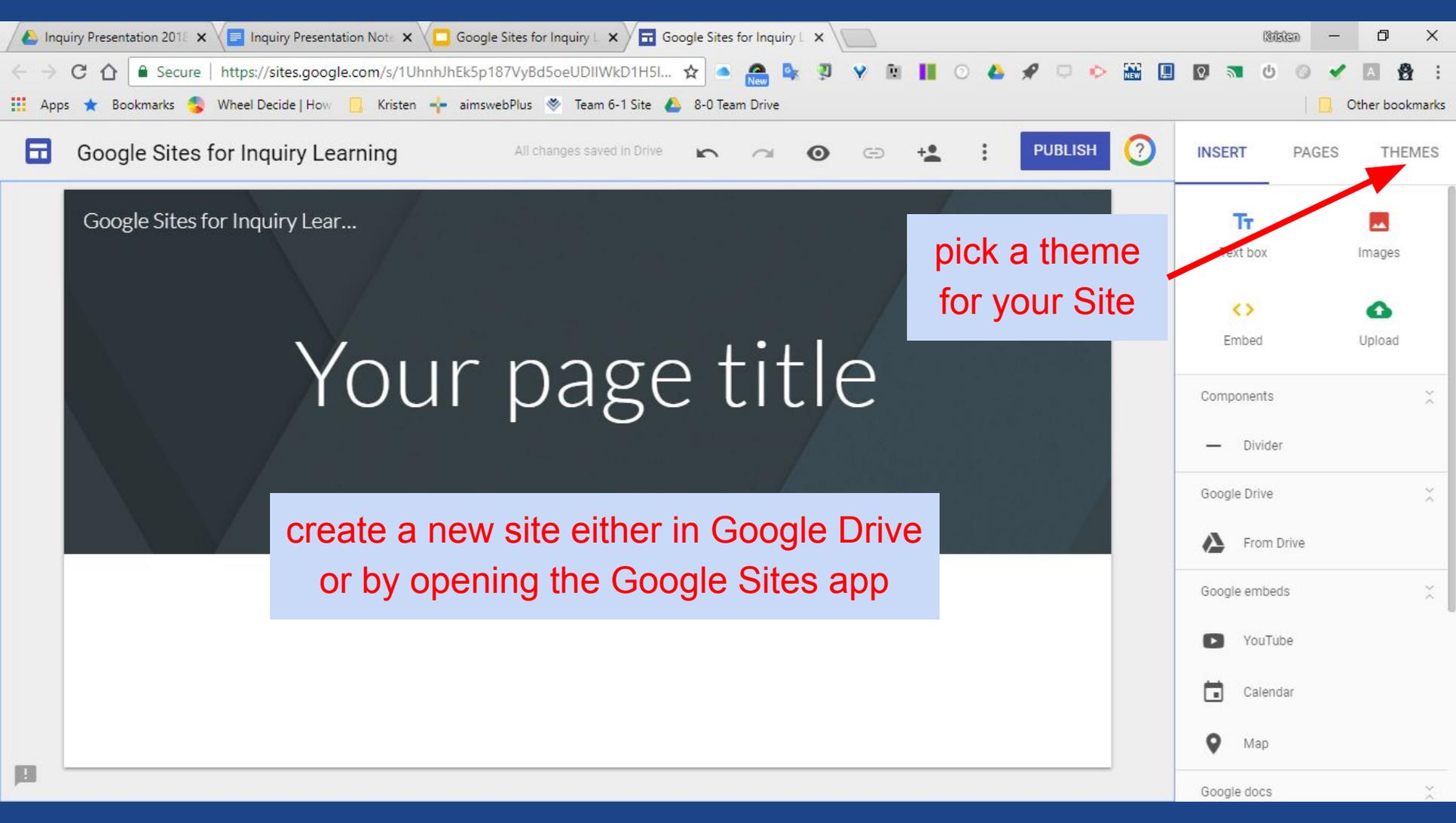
Students choose their topics without reference to any prescribed outcome.

How Google Sites can be used to facilitate inquiry-based learning:

<https://sites.google.com/ipsd.org/sites-inquirylearning-howto/home>

Using Google Sites: The Basics

- Creating a Site
- Appearance & Themes
- Adding Pages
- Adding Content
- Adding Links
- Embedding Content
- Publishing a Site



Google Sites for Inquiry Lear...

Your page title

pick a theme
for your Site

create a new site either in Google Drive
or by opening the Google Sites app

INSERT PAGES THEMES

- Text box
- Images
- Embed
- Upload
- Components
- Dividers
- Google Drive
 - From Drive
- Google embeds
 - YouTube
 - Calendar
 - Map
- Google docs

Google Sites for Inquiry

Title [] [] [] []

Using Google Sites to Manage Inquiry Learning

Change image [] Header type []

Text box

Images

Embed

Upload

Components

- Divider

Google Drive

- From Drive

Google embeds

- YouTube
- Calendar
- Map

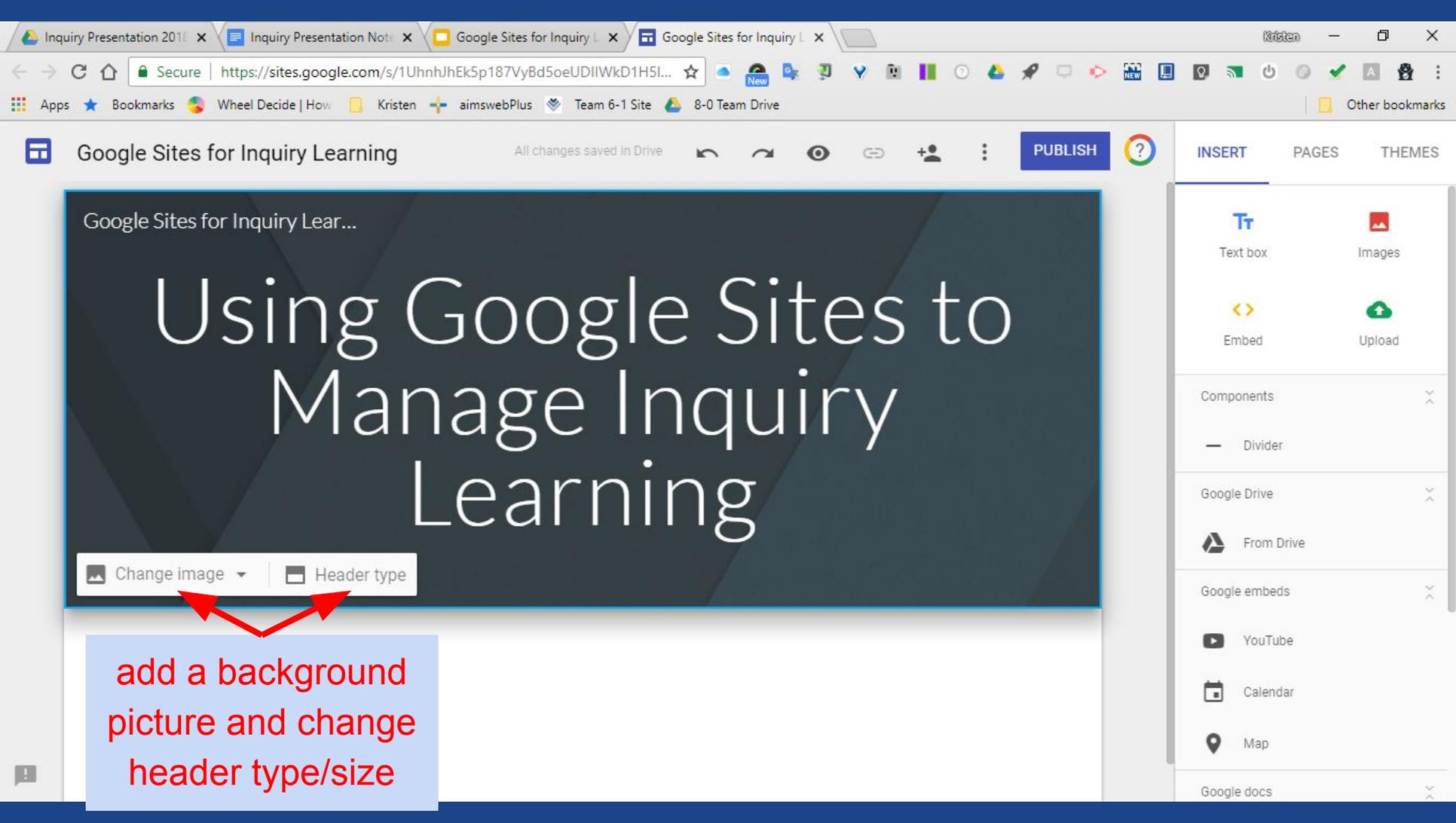
Google docs

resize textbox to help title fit by clicking and dragging

Google Sites editor interface showing a text box with the title "Using Google Sites to Manage Inquiry Learning". The text is centered and in a large white font. A blue border surrounds the text box. A toolbar at the top left of the text box includes a "Title" dropdown, a list icon, a link icon, and a trash icon. Two red arrows point from a text box to the list icon and the link icon.

change font size and justification

Right sidebar menu with categories: Components, Google Drive, Google embeds, Google docs. Items include: Text box, Images, Embed, Upload, Divider, From Drive, YouTube, Calendar, Map.

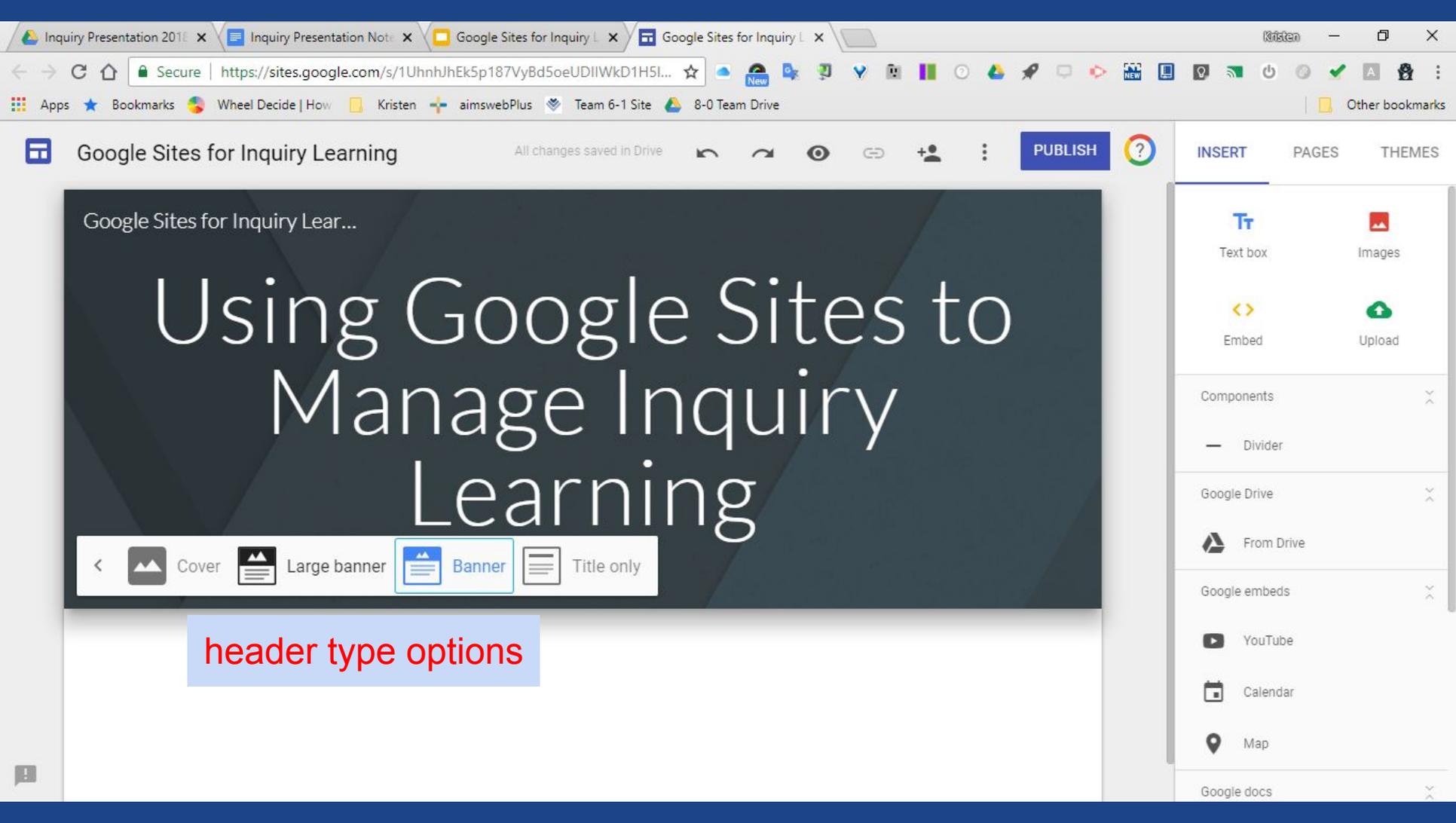


Using Google Sites to Manage Inquiry Learning

Change image | Header type

add a background picture and change header type/size

- INSERT
- PAGES
- THEMES
- Text box
- Images
- Embed
- Upload
- Components
- Dividers
- Google Drive
- From Drive
- Google embeds
- YouTube
- Calendar
- Map
- Google docs



Google Sites for Inquiry Lear...

Using Google Sites to Manage Inquiry Learning

<  Cover  Large banner  **Banner**  Title only

header type options

INSERT PAGES THEMES



Text box



Images



Embed



Upload

Components

— Divider

Google Drive

 From Drive

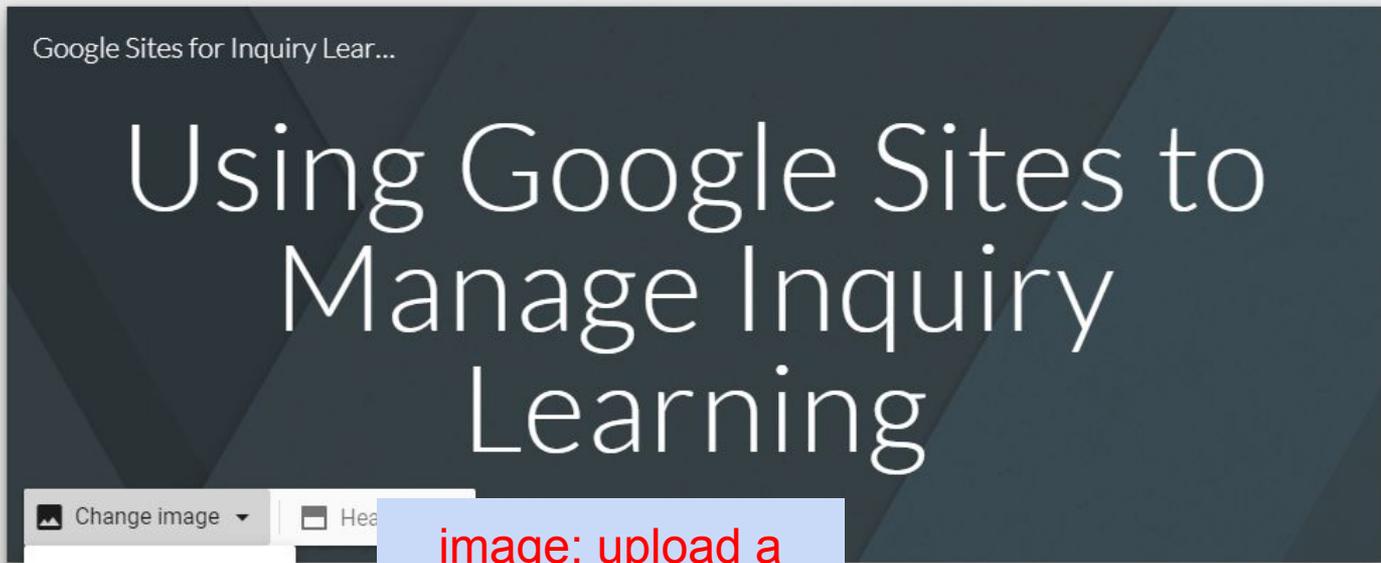
Google embeds

 YouTube

 Calendar

 Map

Google docs



Change image

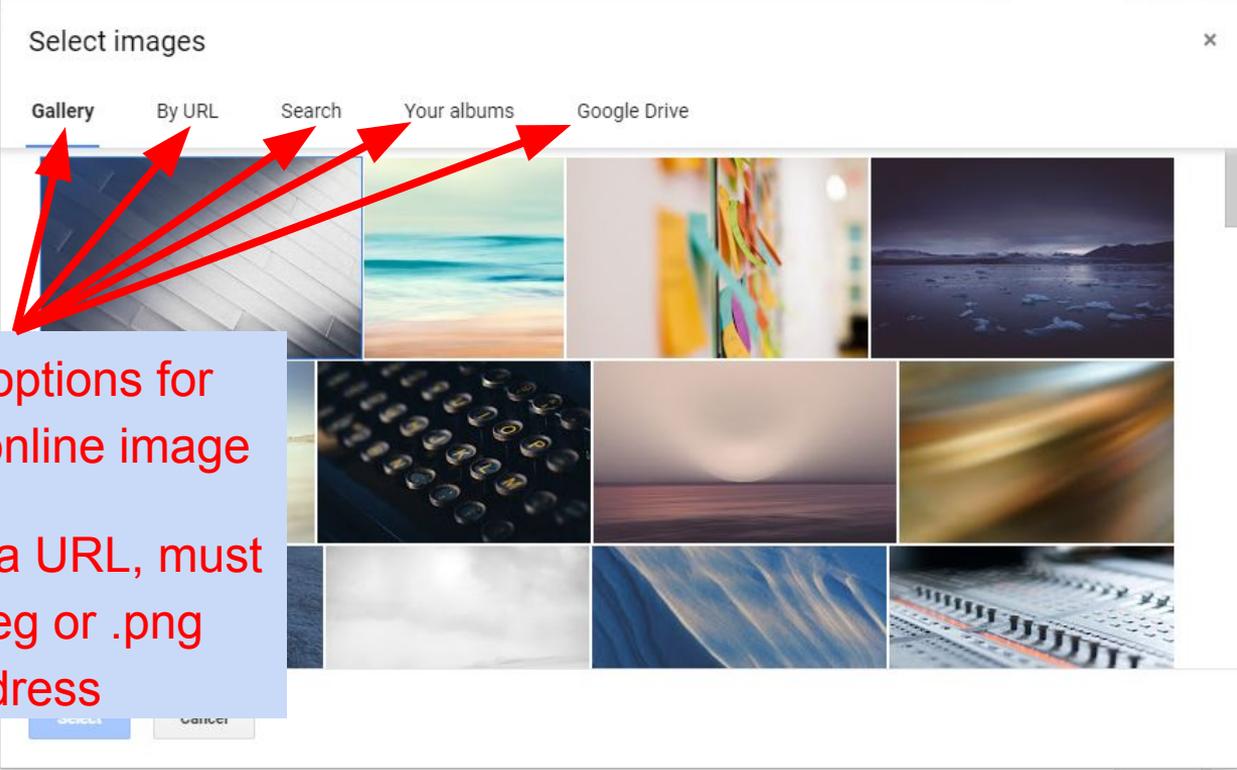
- Upload
- Select image...

image: upload a saved image or choose one online

- Text box
- Images
- Embed
- Upload
- Components
- Dividers
- Google Drive
 - From Drive
- Google embeds
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 - Map
- Google docs

Select images

Gallery By URL Search Your albums Google Drive



The 'Select images' dialog box is open, showing a grid of image thumbnails. The 'Gallery' tab is selected. Red arrows point from the text box below to the 'Gallery', 'By URL', 'Search', 'Your albums', and 'Google Drive' tabs.

several options for using an online image if entering a URL, must be a .jpeg or .png address

Text box Images Embed Upload

Components

- Divider
- Google Drive
 - From Drive
- Google embeds
 - YouTube
 - Calendar
 - Map
 - Google docs



- Filter pages
- Home
- Directions for Students

on pages tab, use + to add pages to your Site

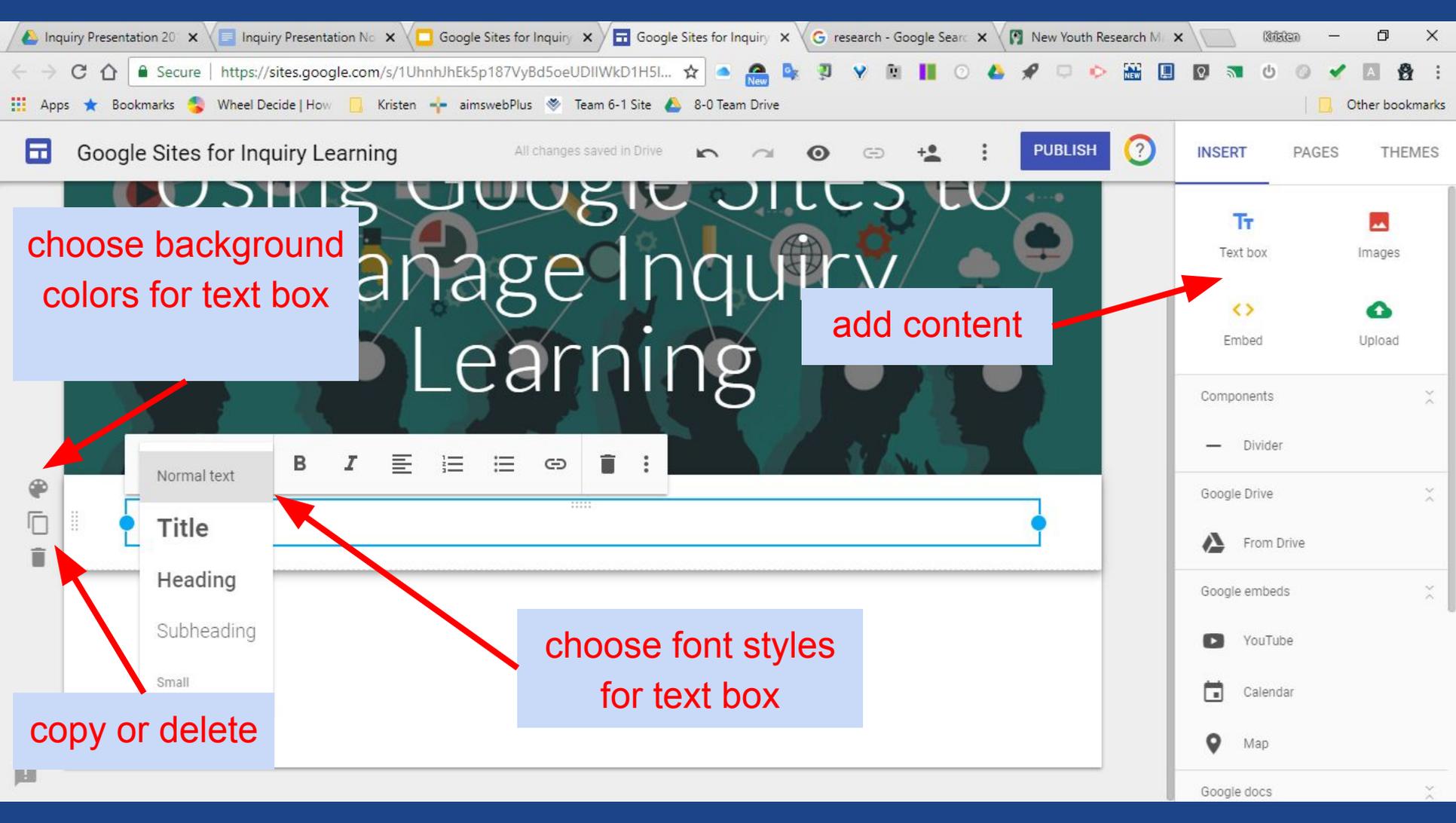


choose background colors for text box

add content

choose font styles for text box

copy or delete





What is Inquiry-Based Learning?

THINKING TO MAKE MEANING

Site Contents

embed YouTube videos (by URL or search option)

Text box

Images

Embed

Upload

Components

Divider

Google Drive

From Drive

Google embeds

YouTube

Calendar

Map

- Guided Inquiry
- Free Inquiry

Assessing Learning - Summative Performance Tasks

Additional Resources

Normal text ▾ **B** *I* [List icons] [Link icon] [Trash icon] [More icon]

- [What the Heck Is Inquiry-Based Learning?](#)
- 4 <https://www.edutopia.org...> [le for Teachers](#)

edit text shown
and links

hyperlink text to
online resources

Text box Images Embed Upload

Components

— Divider

Google Drive

From Drive

Google embeds

YouTube Calendar Map

Google docs

- Guided Inquiry
- Free Inquiry

Assessing Learning - Summative Performance Tasks

Additional Resources

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- [What the Heck Is Inquiry-Based Learning?](#)

Text
What the Heck Is Inquiry-Based Lear

Link
[ed-learning-heather-wolpert-gawron](#) APPLY

edit text shown and links

Text box Images
Embed Upload
Components
- Divider
Google Drive
From Drive
Google embeds
YouTube
Calendar
Map
Google docs

Site Contents

Subheading [v] [List Icon] [Link Icon] [Trash Icon]

Directions for Students

Text: Directions for Students

Link: [input field] [APPLY]

SITE PAGES

- Directions for Stud...
- Structured Inquiry
- Controlled Inquiry

Performance Tasks

can also link to a page in the Site



Additional Resources

- What the Heck Is Inquiry-Based Learning?
- 4 Phases of Inquiry Based Learning: A Guide for Teachers

Text box, Images, Embed, Upload, Components, Divider, Google Drive, From Drive, Google embeds, YouTube, Calendar, Map, Google docs

Name ↑	Owner	Last modified	Size
Best Google Font Pairings for e-Worksheets	me	Aug 2, 2018 me	—
Center for Inspire	me	Aug 2, 2018 me	119 KB
Google Sites for I	me		
Google Sites for I	me		
Inquiry Presentati	me		
SS Inquiry Unit R	me		

- Preview
- Open with >
- Share...
- Get shareable link
- Move to...
- Add star
- Rename...
- View details
- Make a copy
- Download
- Remove

if linking to a file on Google Drive, must remember to turn on link sharing



choose the link security setting appropriate for your district

Link sharing

-  **On - Public on the web**
Anyone on the Internet can find and access. No sign-in required.
-  **On - Anyone with the link**
Anyone who has the link can access. No sign-in required.
-  **On - Indian Prairie School District**
Anyone at Indian Prairie School District can find and access.
-  **On - Anyone at Indian Prairie School District with the link**
Anyone at Indian Prairie School District who has the link can access.
-  **Off - Specific people**
Shared with specific people.

Access: **Anyone (no sign-in required)** [Can view](#) ▾

Note: Items with any link sharing option can still be published to the web. [Learn more](#)

Save

Cancel

[Learn more about link sharing](#)

- Scaffolding guided inquiry activities for students with learning challenges

Content Examples



can embed content from Google Drive as well (link sharing still needs to be turned on)



INSERT menu options:

- Text box
- Images
- Embed
- Upload
- Components
- Divider
- Google Drive
 - From Drive
- Google embeds
 - YouTube
 - Calendar
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- Google docs

or in small groups to answer the guiding and supporting questions in similar ways at their own pace.

Controlled inquiry is best used for:

- Helping students to make connections between concepts for which they already have a basic understanding
- Making students more familiar and comfortable with inquiry learning
- Scaffolding guided inquiry activities for students with learning challenges

Content Examples

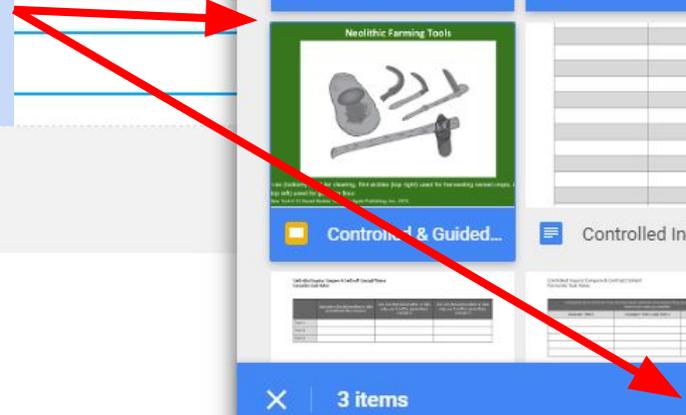
Click to edit text

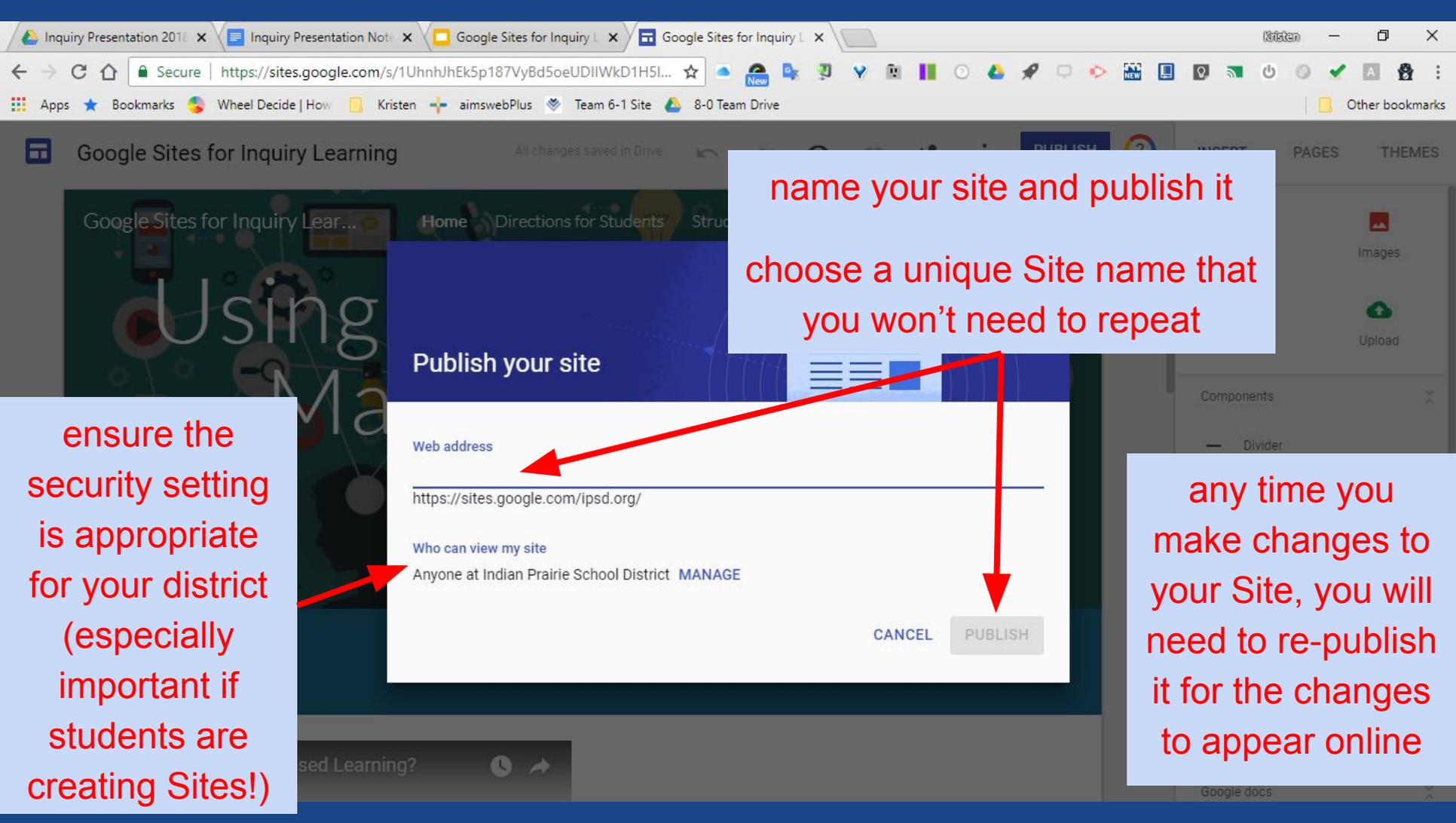
can select more than one file at a time to embed

Student Work

- [Claim & Evidence Notes Template](#)
- [Compare & Contrast: Content Notes Template](#)
- [Compare & Contrast: Theme Notes Template](#)

Google Drive interface showing file selection. Files include 'Ancient Greek Pottery: Images of the Ancient Olympic Games', 'Neolithic Farming Tools', and various 'Controlled & Guided...' documents. A blue bar at the bottom indicates '3 items' selected and an 'INSERT' button.





name your site and publish it
choose a unique Site name that
you won't need to repeat

ensure the
security setting
is appropriate
for your district
(especially
important if
students are
creating Sites!)

any time you
make changes to
your Site, you will
need to re-publish
it for the changes
to appear online

Questions?

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Twitter: [@mrsotoolesclass](https://twitter.com/mrsotoolesclass)