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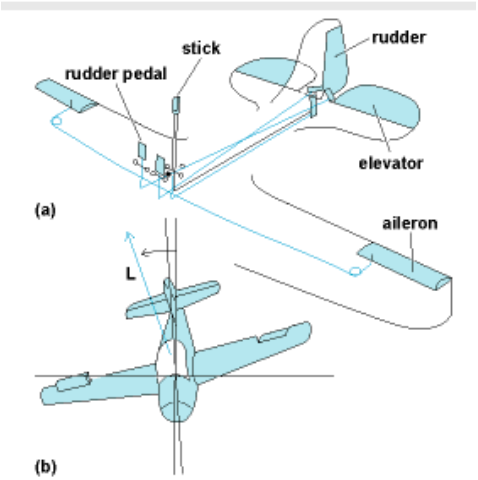

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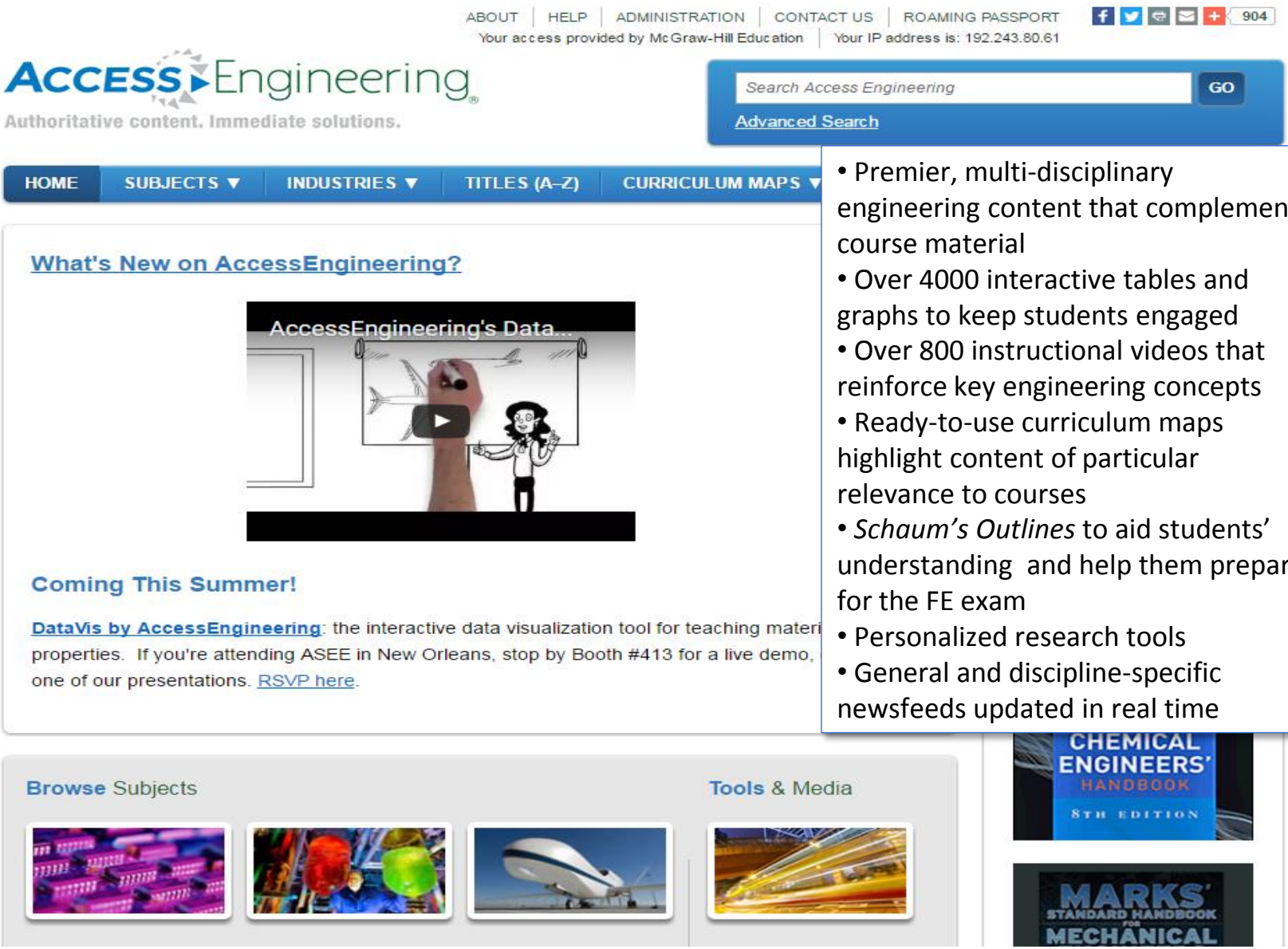

- Premier, multi-disciplinary engineering content that complements course material
- Over 4000 interactive tables and graphs to keep students engaged
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- Ready-to-use curriculum maps highlight content of particular relevance to courses
- *Schaum's Outlines* to aid students' understanding and help them prepare for the FE exam
- Personalized research tools
- General and discipline-specific newsfeeds updated in real time

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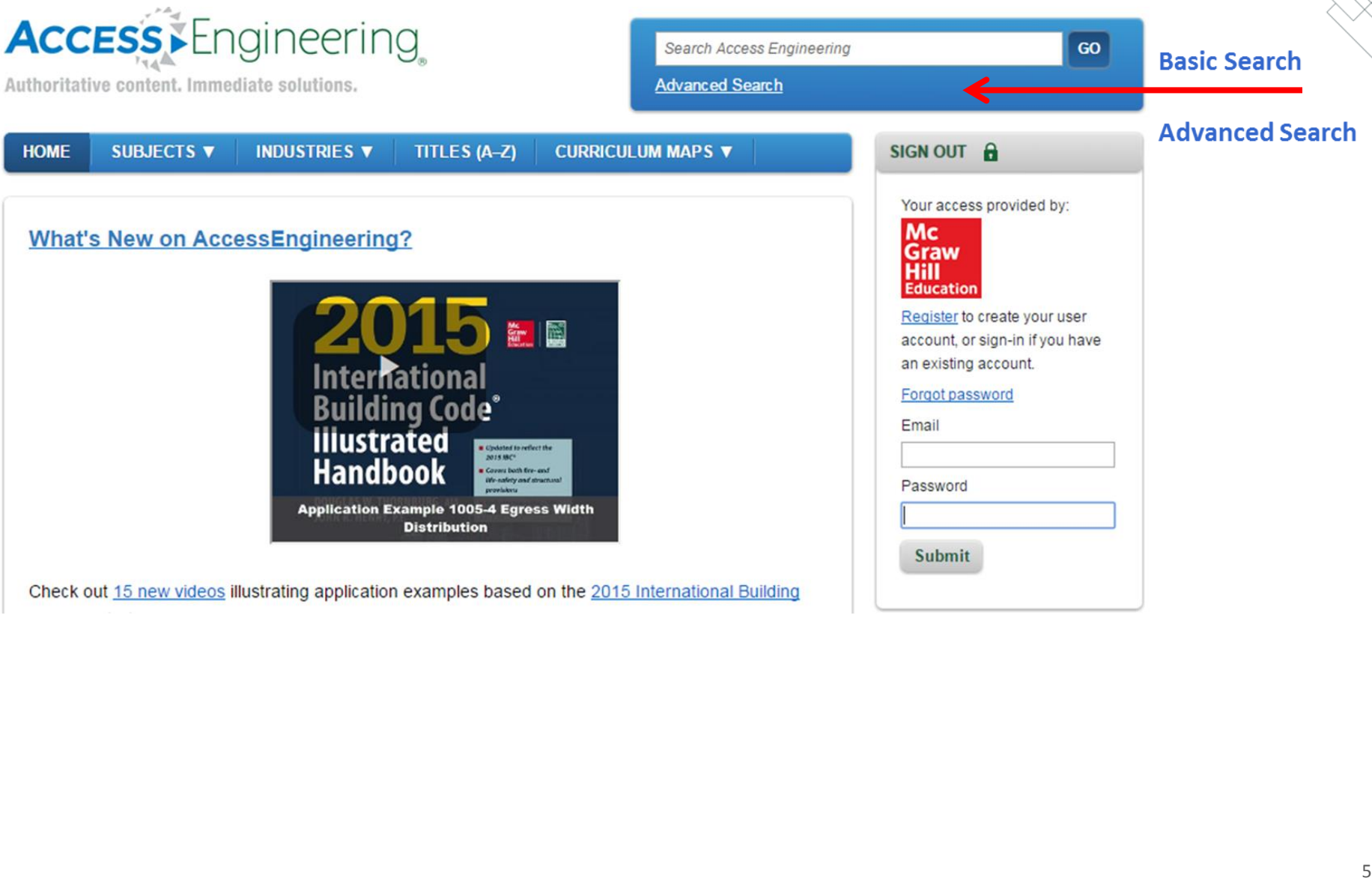
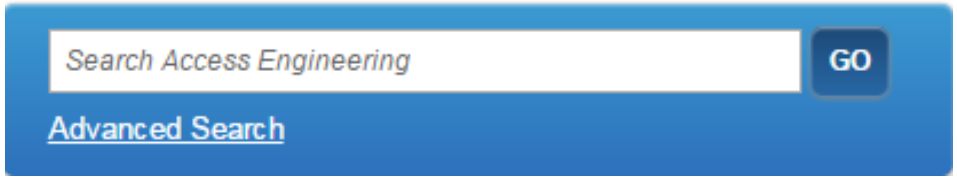
Search & Browse

Basic & Advanced Search



Conduct A Basic Search

Enter a keyword or phrase into the search bar on the top of the homepage and click GO



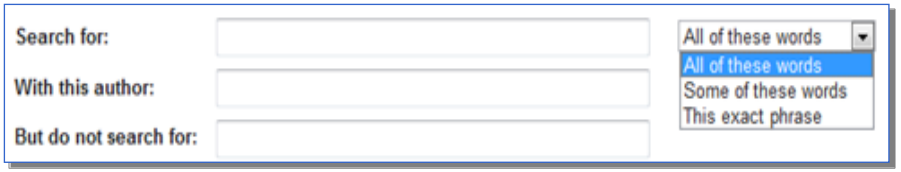
Hint: The search engine supports advanced search techniques

- Boolean AND, OR, and NOT (e.g., mechanical AND engineering)
- Quotation marks (“ ”) to find an exact phrase (e.g., “mechanical engineering”)
- Asterisks (*) to match partial words (e.g., thermo*)

Conduct An Advanced Search

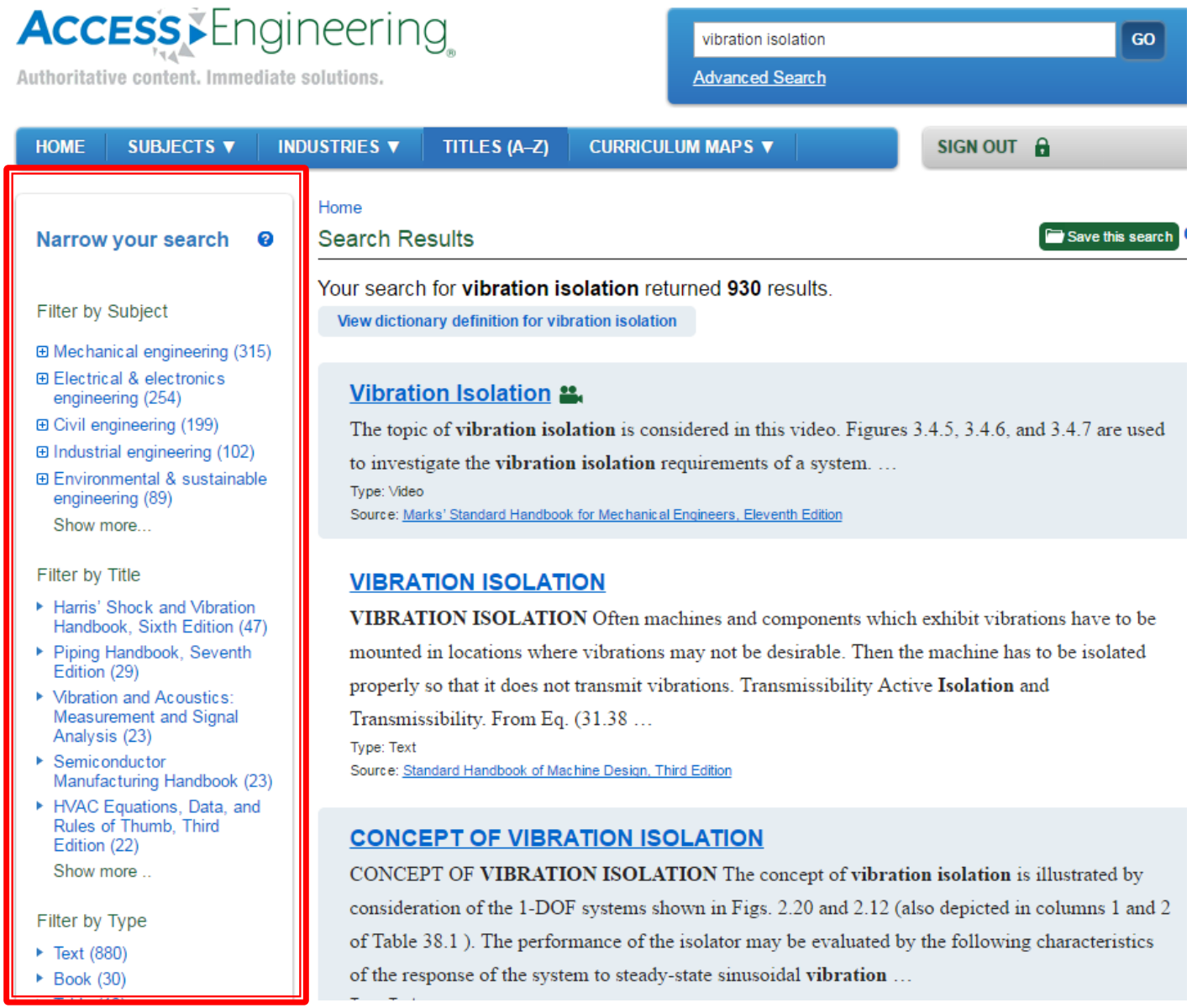
1. Click ADVANCED SEARCH underneath the search bar

2. Enter keywords or phrases in the text boxes and select search operators



3. Refine your results by content type, subject, and/or title, and click SEARCH

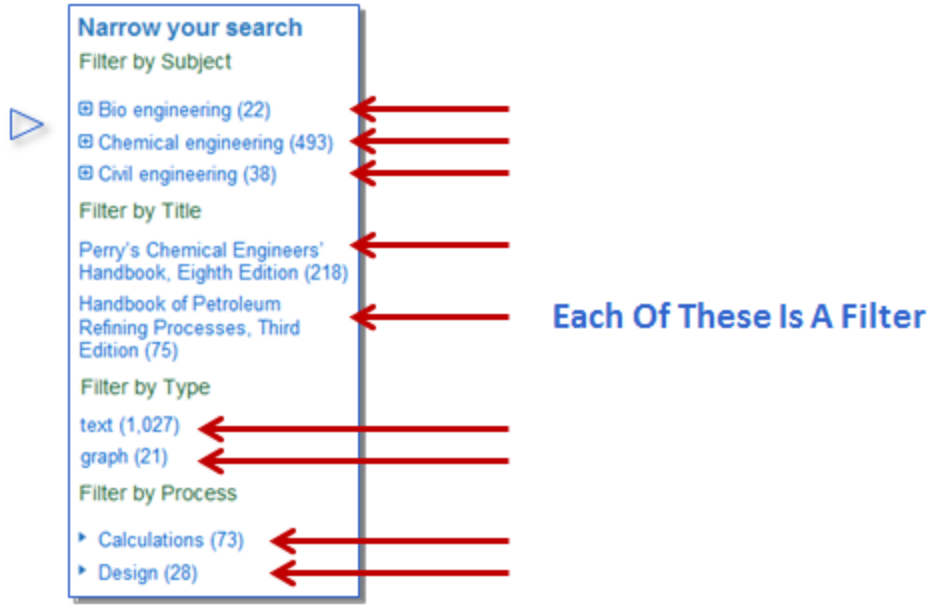
Filter your Search



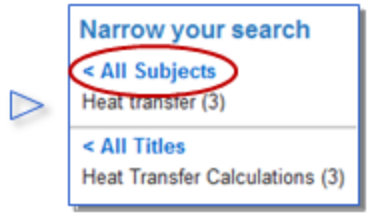
Apply & Remove Search Filters

Easily target the most relevant material by filtering search results by subject, title, content type, and process type. Multiple filters can be applied to a search.

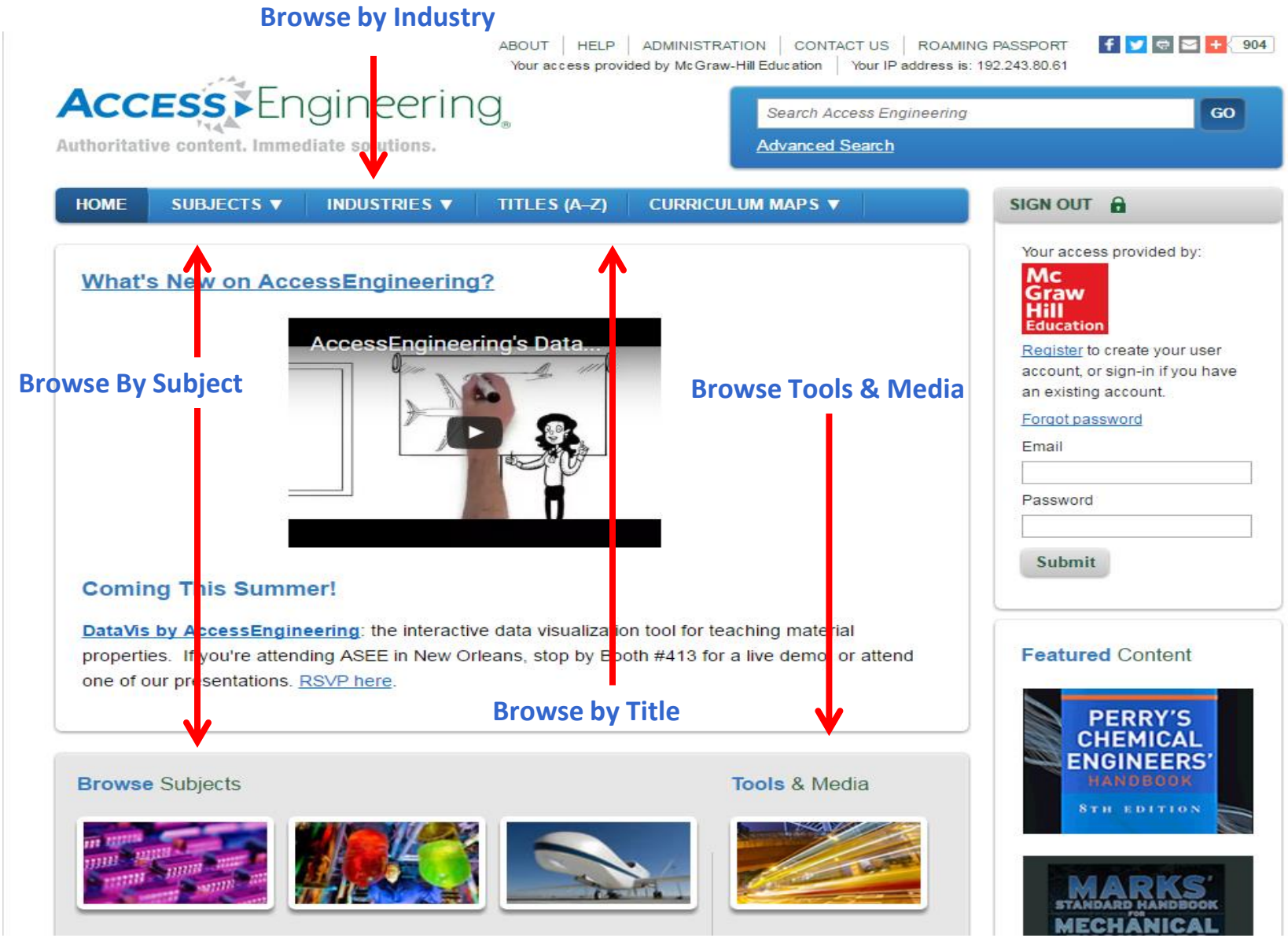
1. Narrow your search results by clicking an applicable filter on the left-hand side of your search results page



2. Remove a filter by clicking the name of the filter, e.g., "All Subjects"



Browse


Browse by Industry
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HOME
SUBJECTS
INDUSTRIES
TITLES (A–Z)
CURRICULUM MAPS
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Register to create your user account, or sign-in if you have an existing account.
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Password
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What's New on AccessEngineering?
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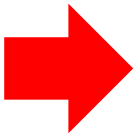
Browse By Subject
Browse Tools & Media
Coming This Summer!
DataVis by AccessEngineering: the interactive data visualization tool for teaching material properties. If you're attending ASEE in New Orleans, stop by Booth #413 for a live demo or attend one of our presentations. RSVP here.
Browse by Title
Browse Subjects
Tools & Media
Featured Content
PERRY'S CHEMICAL ENGINEERS' HANDBOOK
8TH EDITION
MARKS' STANDARD HANDBOOK FOR MECHANICAL

Browse By Subject

Either hover over SUBJECTS on The top navigation bar…

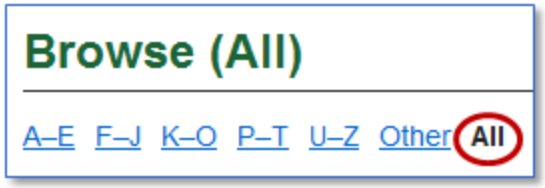


…or BROWSE SUBJECTS from the Center of the homepage

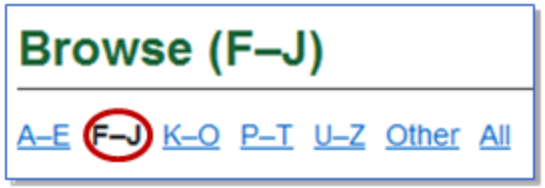
Browse By Title

1. Click TITLES (A-Z) on the navigation bar

2. Either browse ALL titles in alphabetical order...



3. ...or click the alphabetical range within which the first letter of the title appears



Browse Videos

1. On the homepage, scroll down to the TOOLS & MEDIA box in the center of the page

2. Click VIDEOS to be taken to a search results page showing a list of all videos on the site

The icon on the search results page indicates that a search result is a video

Browse Graphs

1. On the homepage, scroll down to the TOOLS & MEDIA box in the center of the page

2. Click GRAPHS to be taken to a search results page showing a list of all graphs on the site

The icon on the search results page indicates that a search result is a graph

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Personal Accounts

Personal accounts allow you to save searches and receive search alerts, as well as organize, label, annotate, and highlight material of particular interest. Personal accounts are free for all users at the subscribing institution, and they take only a few seconds to create.

Create A Personal Account

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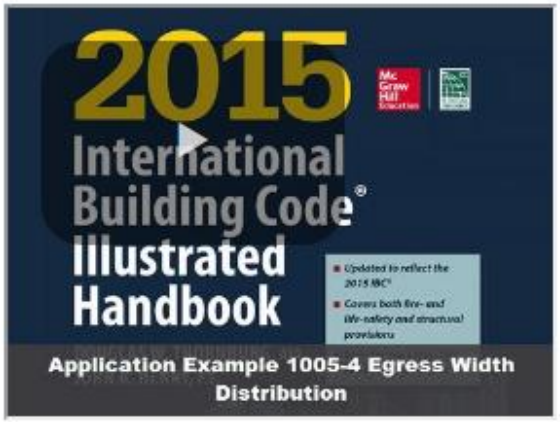
Advanced Search

HOME | SUBJECTS ▼ | INDUSTRIES ▼ | TITLES (A–Z) | CURRICULUM MAPS ▼

SIGN OUT

What's New on AccessEngineering?



Check out 15 new videos illustrating application examples based on the 2015 International Building

Your access provided by:

Register to create your user account, or sign-in if you have an existing account.

Forgot password

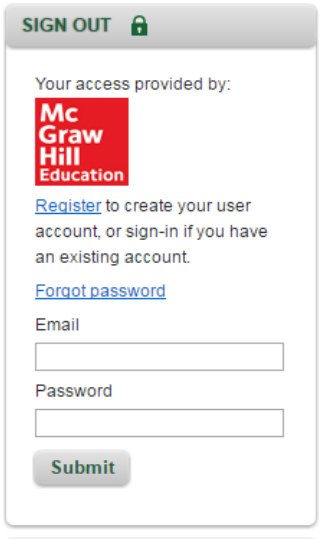
Email

Password

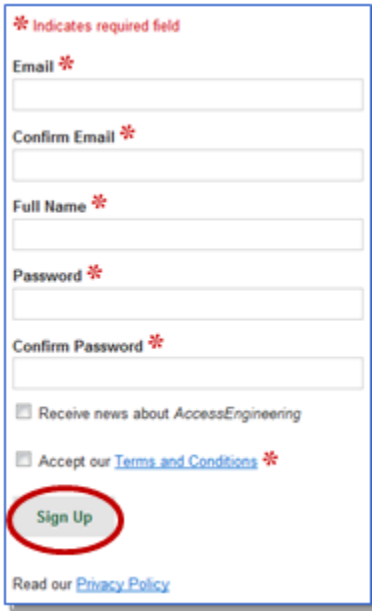
Submit

Create A Personal Account

1. On the right-hand side of the homepage, click REGISTER

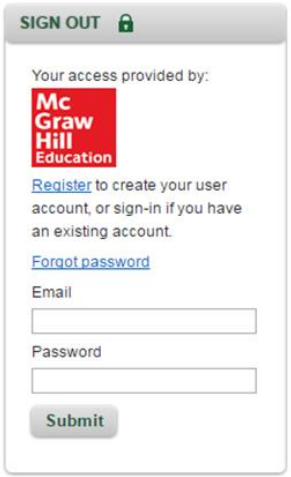


2. Complete the form that pops up, and then click SIGN UP



Log Into Your Personal Account

1. On the right-hand side of the homepage, enter the email and password you used when registering for a personal account, and click SUBMIT



2. After logging in successfully, you will see your email address on the right-hand side of the page, and the upper-most box on the homepage will show your account activity

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Personalized Tools

Note: These features are only available to users who are signed into their personal account.

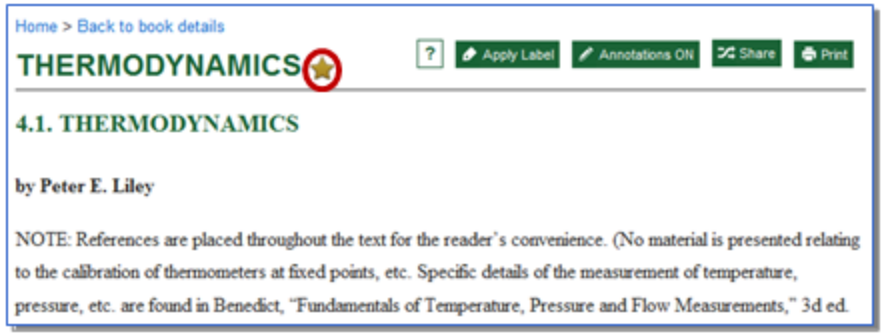
Starred Items

A starred item acts much like the "bookmark" or "favorite" function within most web browsers by storing links to pages of content for easy retrieval at a later time.

1. Navigate to any content page

2. Click on the ☆ next to the name of the chapter

3. When the ★ becomes filled, the page gets stored in your list of starred items in your personal account

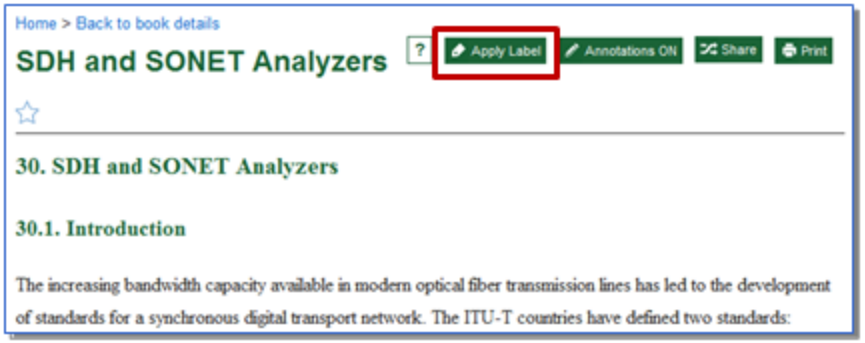


- A star can be removed by either re-clicking the star or deleting it from your MY ACCOUNT page

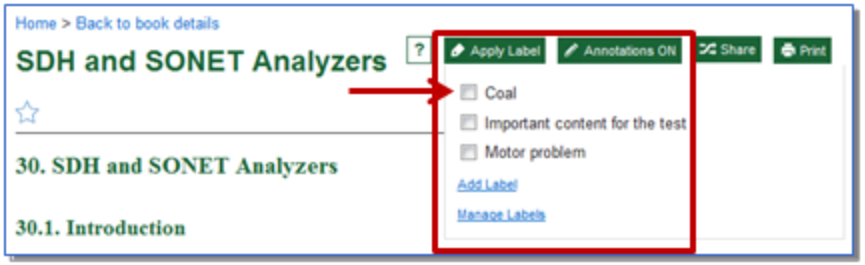
Labels

Labels are used to sort and classify content.

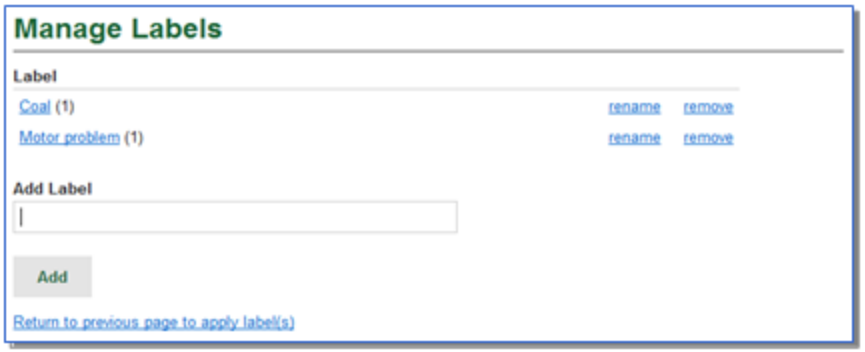
1. From any content page, hover over APPLY LABEL



2. Either click the box next to the applicable label, or click ADD LABEL if there's no applicable label



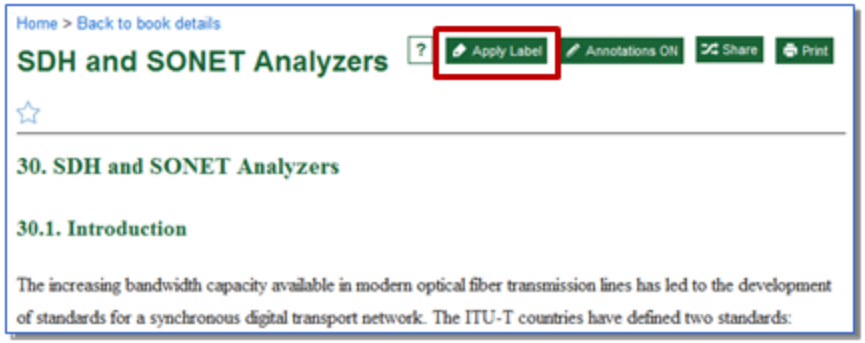
3. To create a new label, type the name of the label, click ADD, and then click RETURN TO PREVIOUS PAGE TO APPLY LABEL(S)



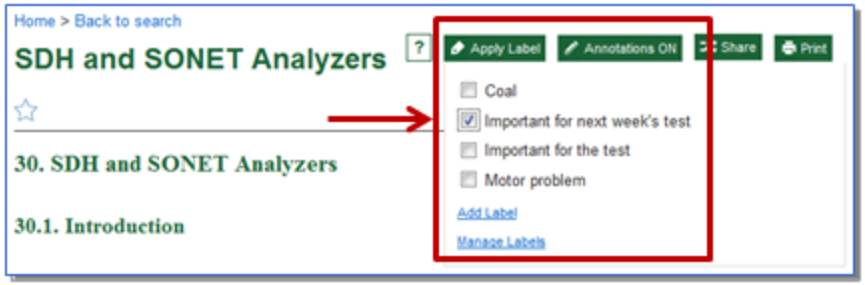
Continued on next slide...

Labels

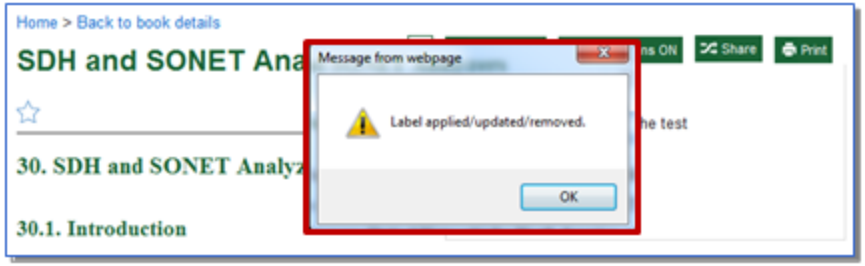
4. When you've returned to the content page, hover over APPLY LABEL again



5. Click the box next to the new label

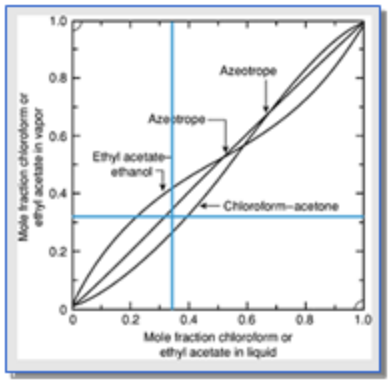


6. A dialog box will appear after you click the box to confirm the page has been saved to the applicable label

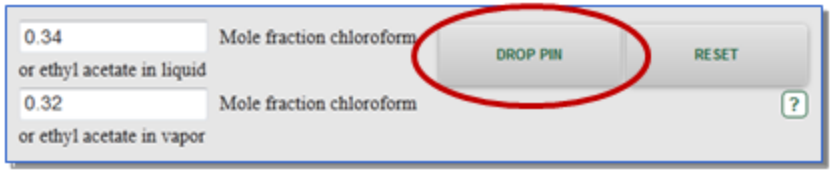


Place And Save Push Pins On Data Points On Interactive Graphs

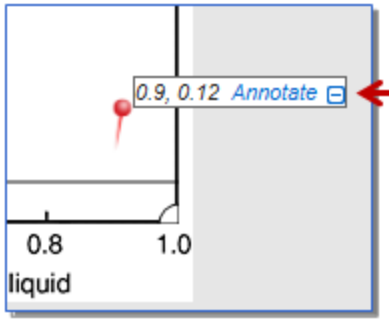
1. Drag the blue crosshairs around the graph to the desired data point



2. Click DROP PIN below the graph to place a push pin on the desired data point and automatically save it to your personal account



3. You can annotate a pin by hovering over the pin and clicking ANNOTATE on the text box that appears



Delete A Pin By Clicking The Subtraction Symbol

- Pins are saved to MY ACCOUNT and can be deleted from your MY ACCOUNT page

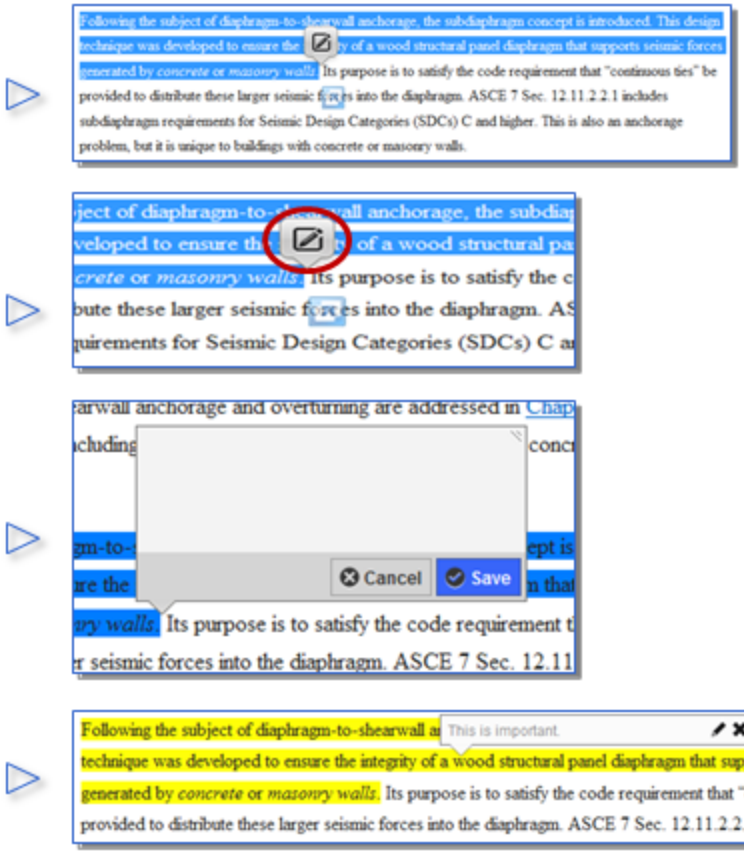
Annotate Text

1. Highlight a block of text of particular interest on any content page

2. Click the pencil icon

3. Type your note in the text box that appears, and click SAVE

4. Your annotated text is now highlighted, and your notes will appear when you hover over the text



- Annotations are saved to MY ACCOUNT and can be downloaded into a .csv file

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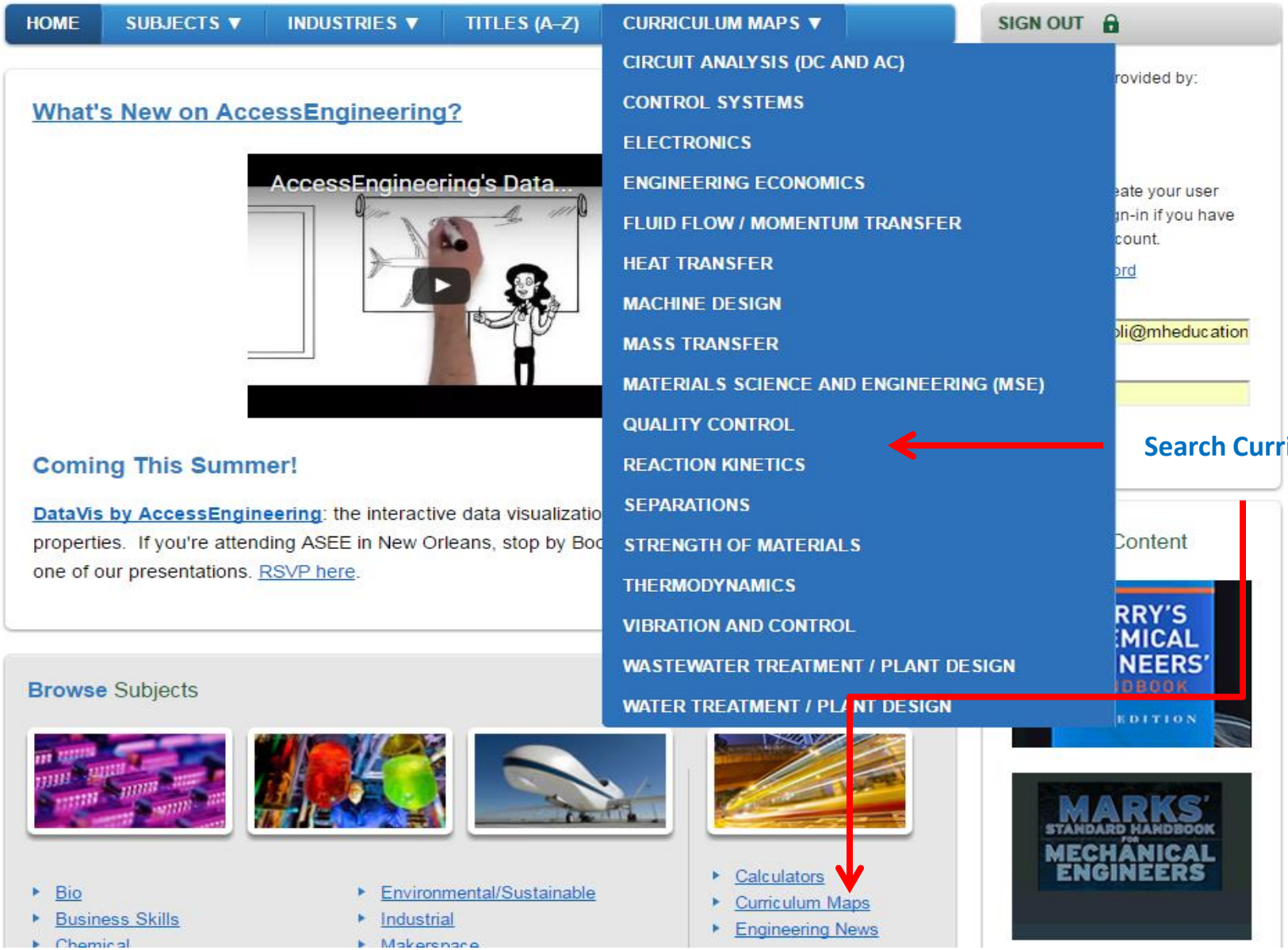
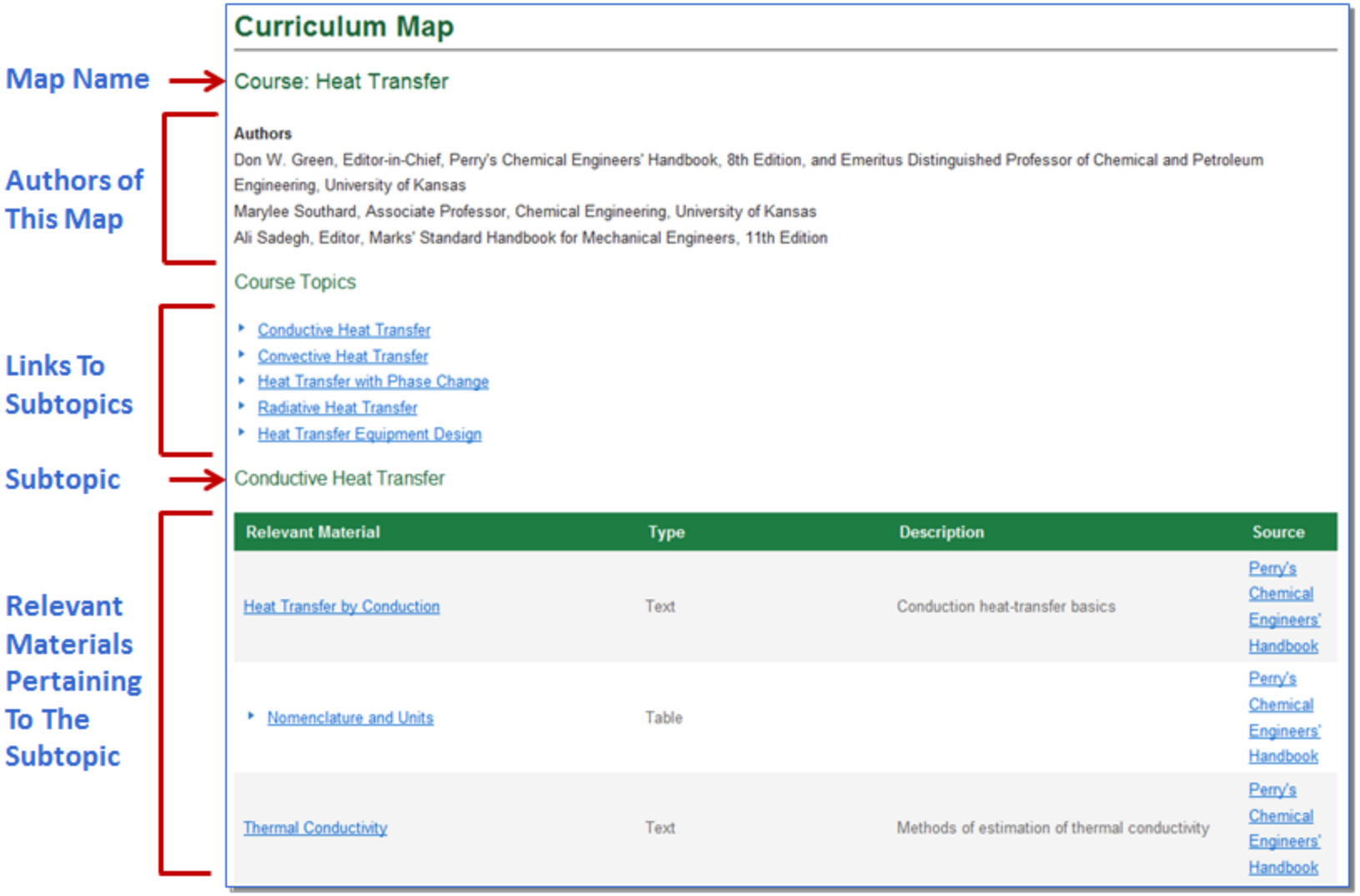
Curriculum Maps

Curriculum Maps are organized sets of resources that include textbook sections, tables, videos, and examples to help teach core concepts in engineering. These Maps make it easy for faculty to decide which resources to assign their students within core courses.

Search Curriculum Maps



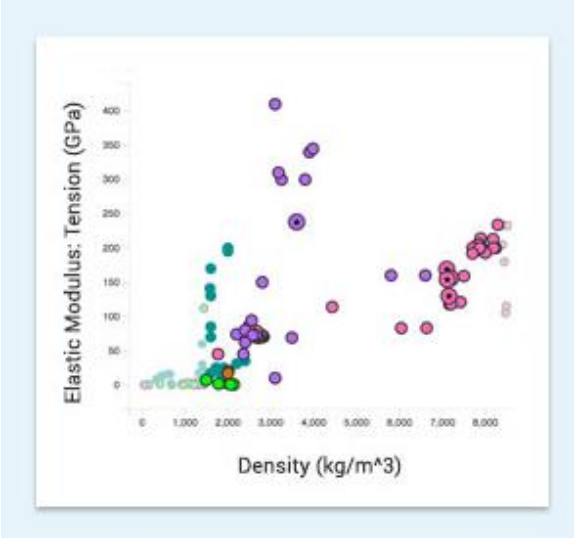
Curriculum Maps



DataVis now Available!

DataVis Material Properties by Access Engineering

What is DataVis?



- DataVis is an interactive, web-based data visualization tool that transforms the way students learn about material properties.
- Users can instantly visualize property data in interactive dot-plots and scatterplots across a wide range of materials.
- DataVis includes a curated dataset of 200 materials and 65 properties.

DataVis Material Properties
Interactive Teaching Tool

Begin your DataVis project

DataVis Material Properties | ACCESS Engineering

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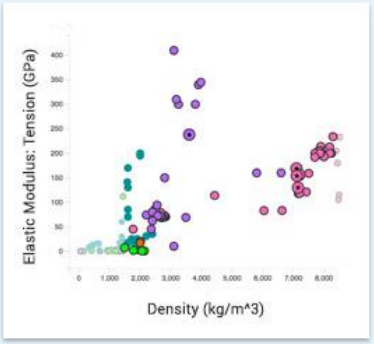


Use **DataVis** to visually explore materials and their properties.

Find and compare material property data, then save your interactive visualizations and share with others.

Compare properties across multiple materials

Find a property value for a single material

Sample DataVis Projects

These active learning projects have been created by faculty to teach material properties using DataVis. You can use them as-is, or copy and customize them for your own courses.

Exploring Basic Material Properties

This project explores the fundamental material properties of Density, Specific Gravity, Elastic Modulus: Tension and Yield Strength. *Designed by Kathleen Kitto, Western Washington University.*

Open Project

Properties for Aerospace Structures

This case study looks at properties for Aerospace applications. *Designed by Kathleen Kitto, Western Washington University.*

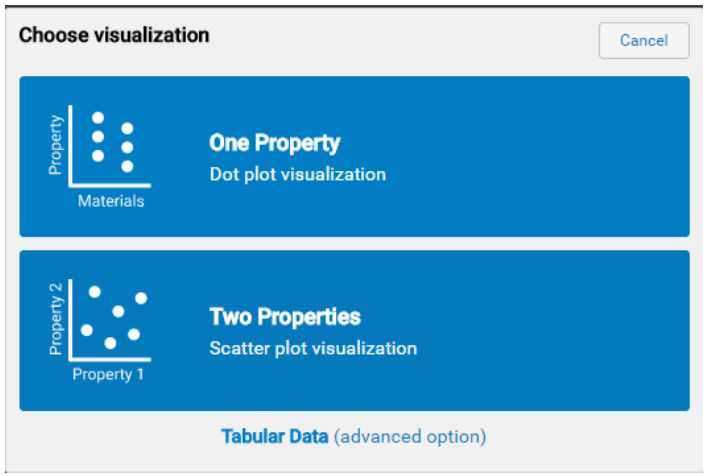
Open Project

Influence of Material Properties

This project investigates the influence of material properties in basic analysis and design for a first course in Strength of Materials. *Designed by Luke Lee, University of the Pacific.*

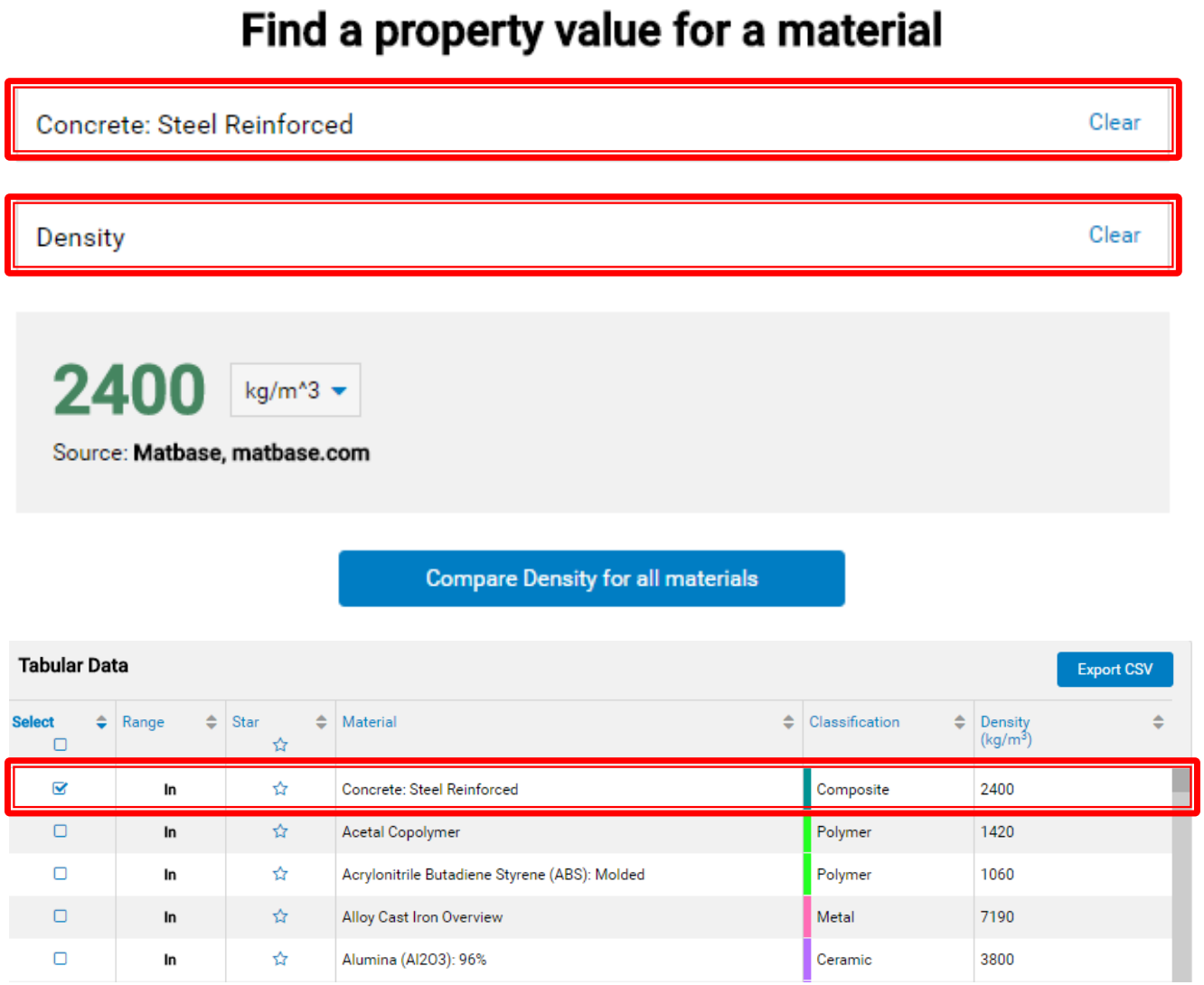
Open Project

Compare properties across multiple materials



- Choose to construct a dot plot or scatter pot visualization to compare multiple properties
- Compare up to five visualizations in a slide

Find a property value for a single material



Access customizable sample projects

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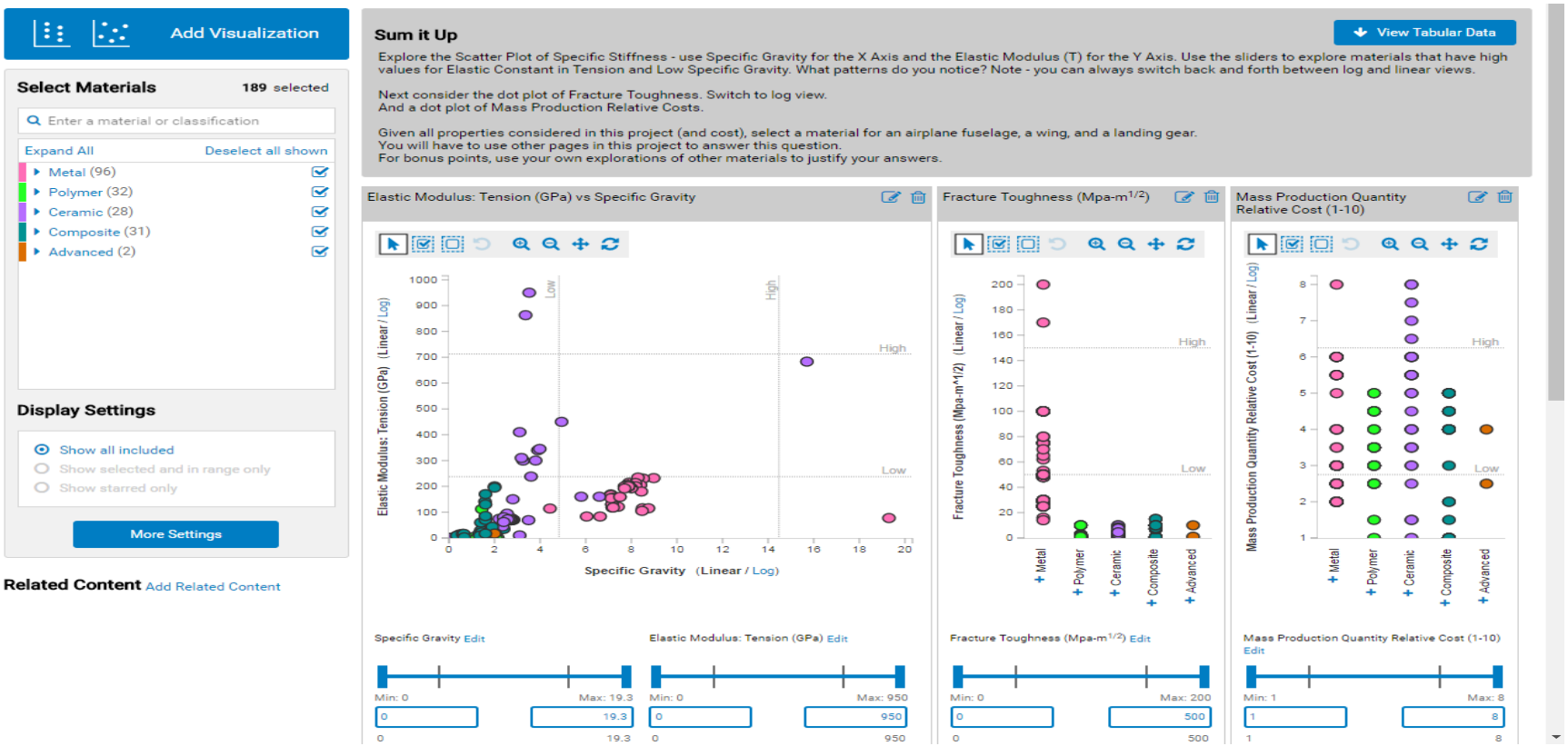
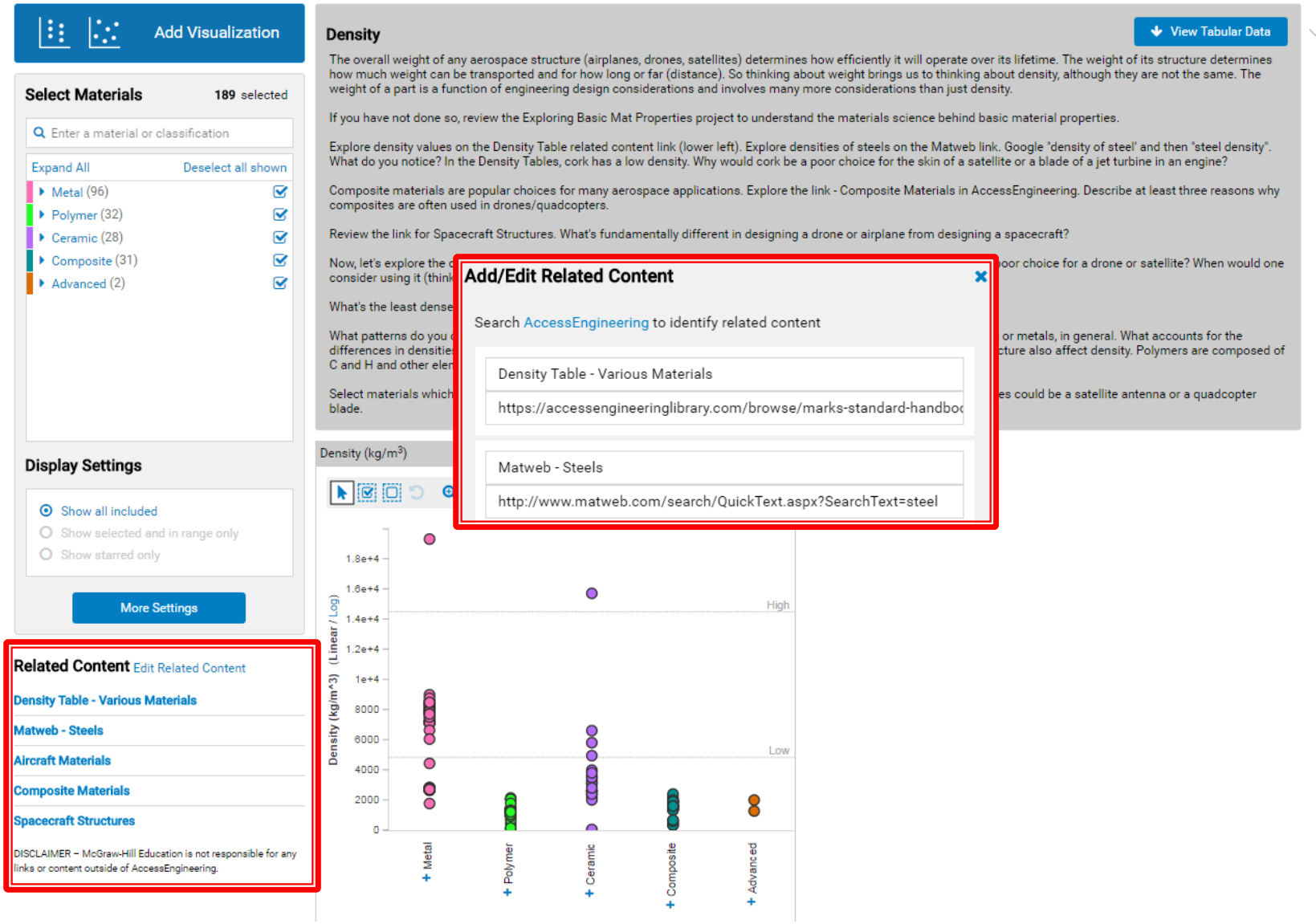
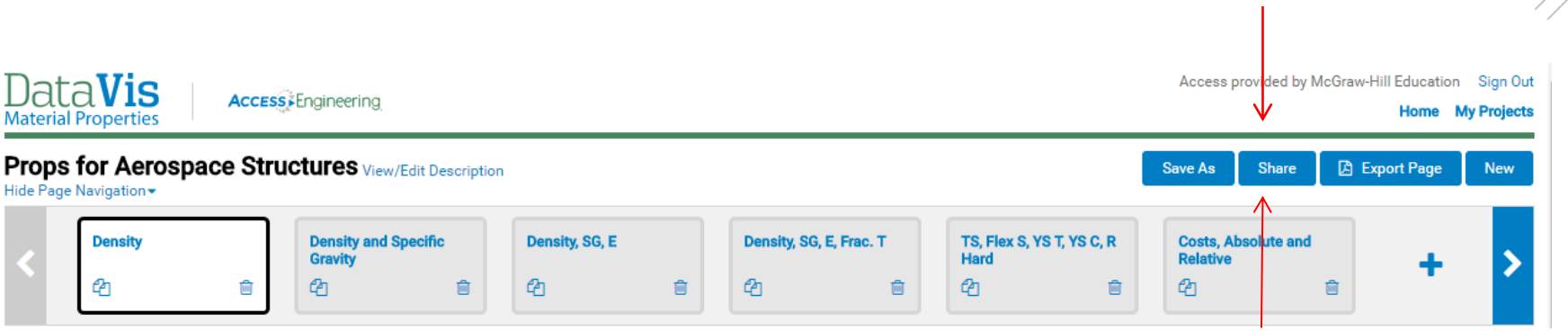
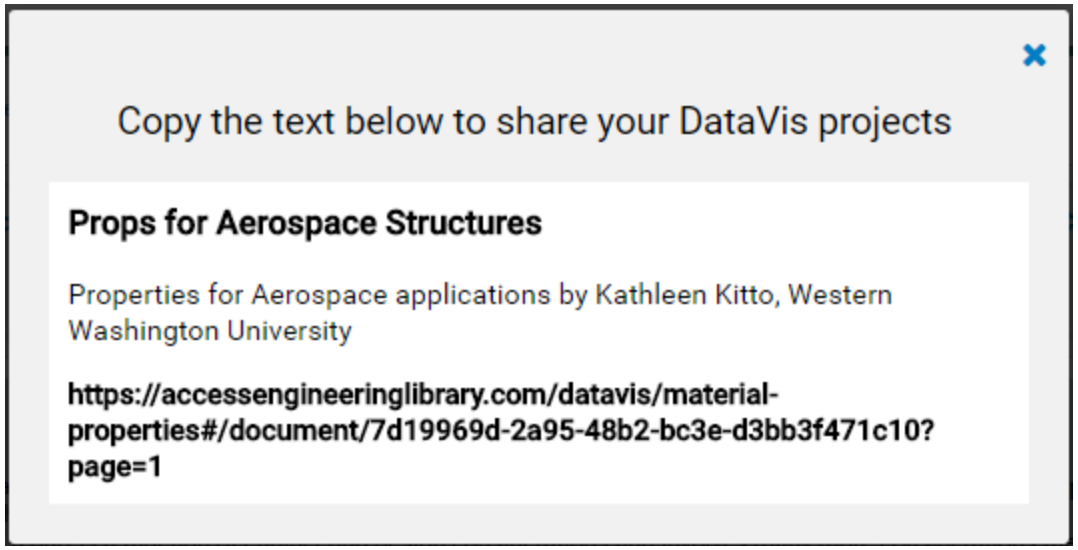


Add related content to your projects



Share your projects with your colleagues or students





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