

# Students define and then add pictures to show understanding

**Acids**

**Bases**

Add text here

Indicator Colors

- litmus paper

Add text here

Examples

Directions:

- Add a text box and type to explain the properties of bases.
- Research and identify the colors that litmus paper turns and cabbage juice turns in bases.
- Add a text box and write examples of bases "or" find pictures of examples of bases.

**Bases**

**Acids**

**Bases**

**pH**

**Wrap Up**

Properties

Add text here

Indicator Colors

- litmus paper

Add text here

- cabbage juice

Add text here

Examples

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# Students identify and label objects

## Directions:

- Drag the strengths of acids and bases to where they belong on the pH scale.
- Research the pH of the different items and then place them on the pH scale where they belong.

**pH**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

**Acids**

**Bases**

**pH**

**Wrap Up**

bleach

Milk

Lemon

soap

banana

Base

Strongest Acid

Neutral

Weakest Base

Weakest Acid

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# Students compare and sort

**Directions:**

- Compare acids and bases and place the different properties and substances where they belong in the Venn diagram.
- Add a text box and write a compare and contrast summary.

**Acids**

**Bases**

**Acids**

**Bases**

**pH**

**Wrap Up**

Add summary here

Lemon

bleach

banana

pH lower than 7

Sour Taste

Slippery

Bitter Taste

Litmus

Does not react with metals

pH higher than 7

conducts electricity in water

Acids and Bases

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# Teacher directions and answer key provided

## Directions:

- Use words to explain the properties of acids
- Research and identify the colors that litmus paper turns and cabbage juice turns for acids
- Add a text box to write examples of acids or find pictures of examples of acids

### Properties

Sour taste,  
corrosive to metals,  
conducts electricity  
when in a solution,  
pH lower than 7,  
produces  $H^+$  ions

## Acids

### Indicator Colors

Turns litmus red  
Turns cabbage  
juice red/pink

### Examples

Here are some  
examples: soda, tomato



Acids

Bases

pH

Wrap Up

Acids and Bases



# Teachers: click on the titles in the red box to download the digital notebook to their google drive

## Teachers Guide

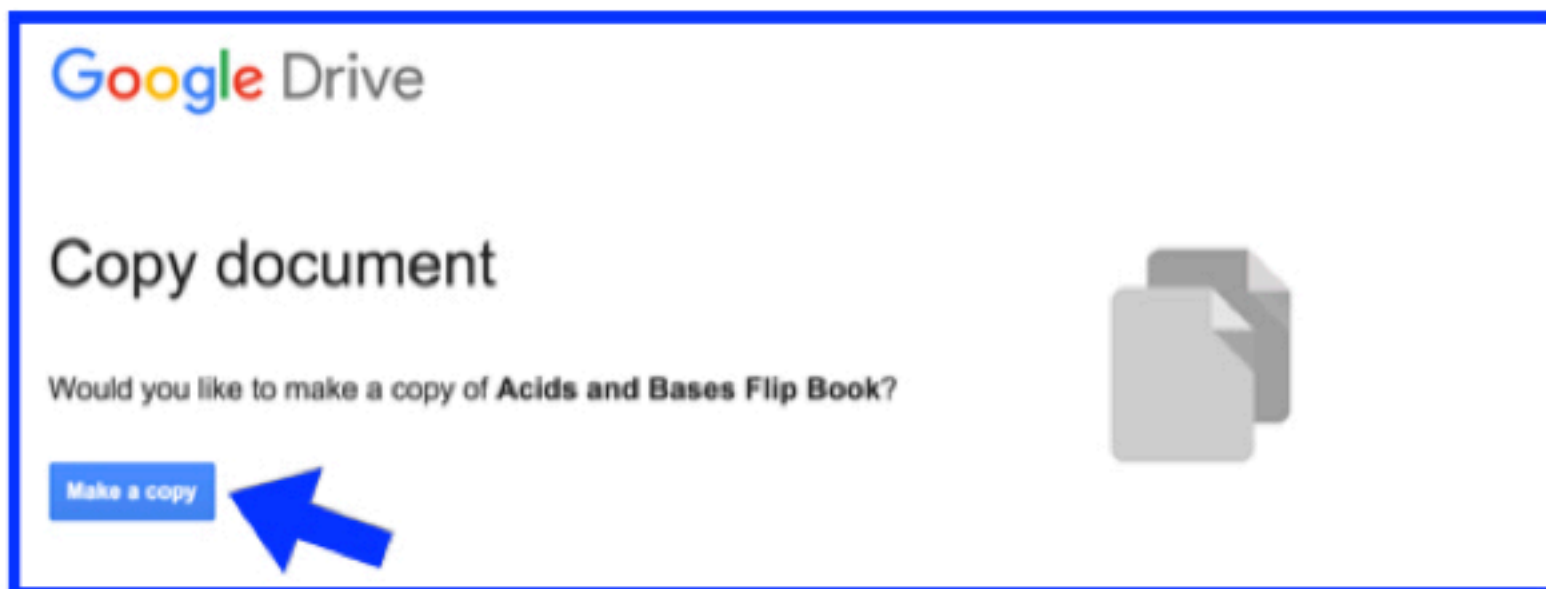
### What You Will Need To Get Started:

1. Download link for the Google Resource

**Cell Cycle Digital Interactive Notebook Student**

**Cell Cycle Digital Interactive Notebook Teacher**

2. Access to the Internet and a Google Account (Free)
3. Google accounts or Microsoft OneDrive accounts for your students to save their work
4. Open the file on your Google Drive. The link will prompt you to make a copy



5. This new copy is now yours to edit and share with your students
6. Printer access if you choose to print the finished product as an actual flip book

# Teacher directions on how to share with students in google classroom, microsoft one drive, or any other LMS

## How to use this resource with your student:

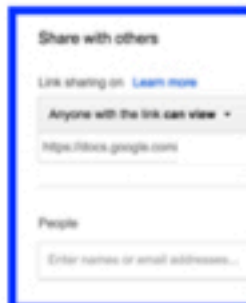
### Google Directions:

1. After you have made your own copy of the resource from the link, you will want to make a copy for your student.

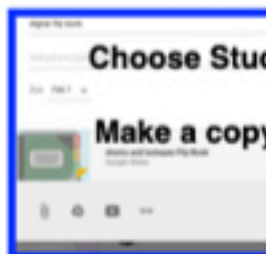
-Some options for this

- A. Give the students the link to your resource and make it "view only" this will allow students to make their own copies without affecting the original. To do this go to the blue SHARE button in the top right corner >get shareable link> choose people with a link can view > copy the link

- **Remember**, when sharing a link on an open class



- B. Use google resource to make a copy



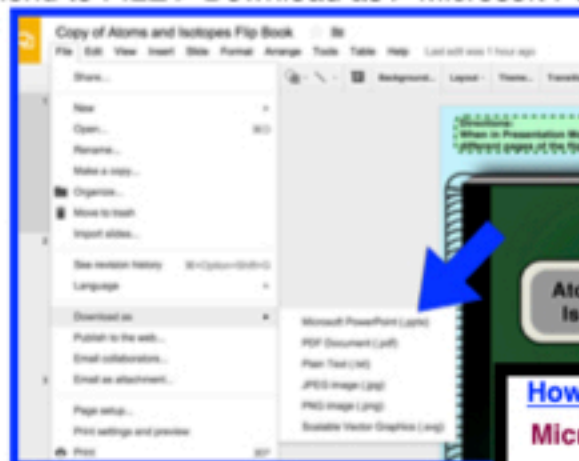
2. Students will be able to automatically saved.

3. Students may share

## How to use this resource with your student:

### Microsoft OneDrive Directions:

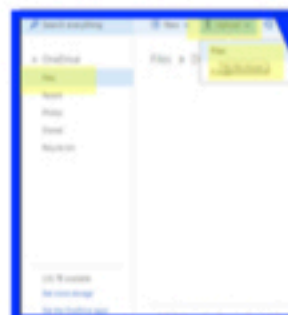
1. After you have made your own copy of the resource from the link, you will need to download your copy as a ppt to your desktop. To do this from the menu to FILE > Download as > Microsoft PowerPoint (.pptx)



2. Open your OneDrive. Create a folder for this step is recommended to keep you and your



3. From the menu, select Upload > Files from your computer or select the file and upload



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## How to use this resource with your student:

### Microsoft OneDrive Directions:

4. Make sure that you open the resource to make sure it is in good working order before sharing it with your students.

5. You will want to interact with the digital flip book in the "edit mode". This allows you to add their own text and move the pieces.

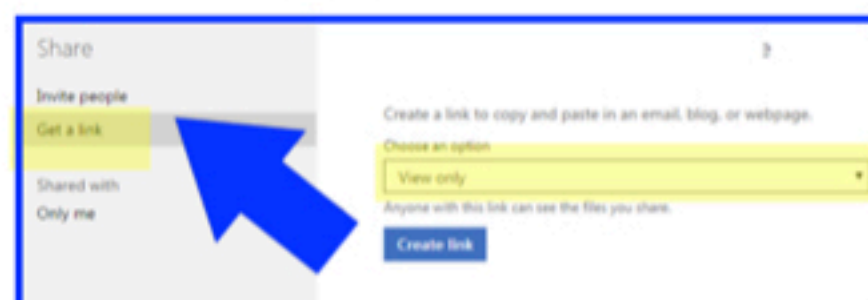
6. You will be prompted to choose to edit the file in PowerPoint or online. Select online. It will then open in a browser.

7. Follow your normal steps in sharing the file with your students. Go to Share > Share with people



8. Choose the option to view only. Then require your students to make a copy in their own drive before editing the file. This ensures your students do not edit your file.

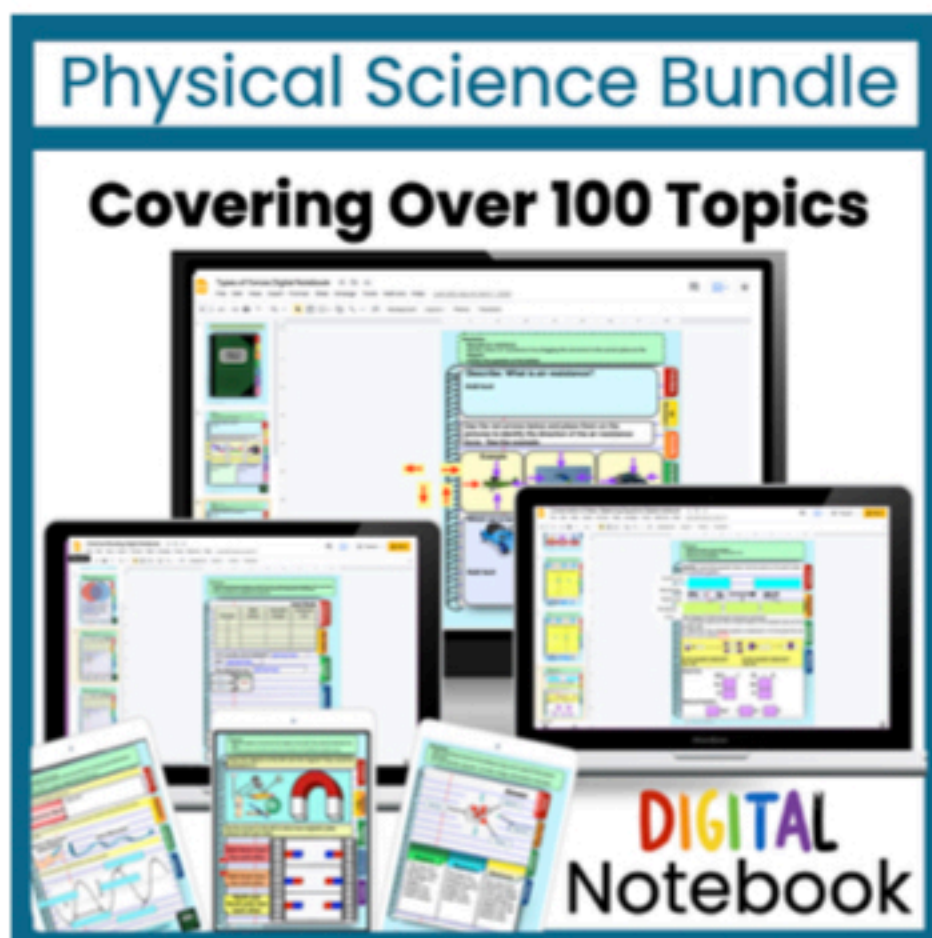
- **Remember**, when sharing your link with your students make sure it is a secure format that requires a log in password and not on a personal, school, or district that can be accessed by anyone



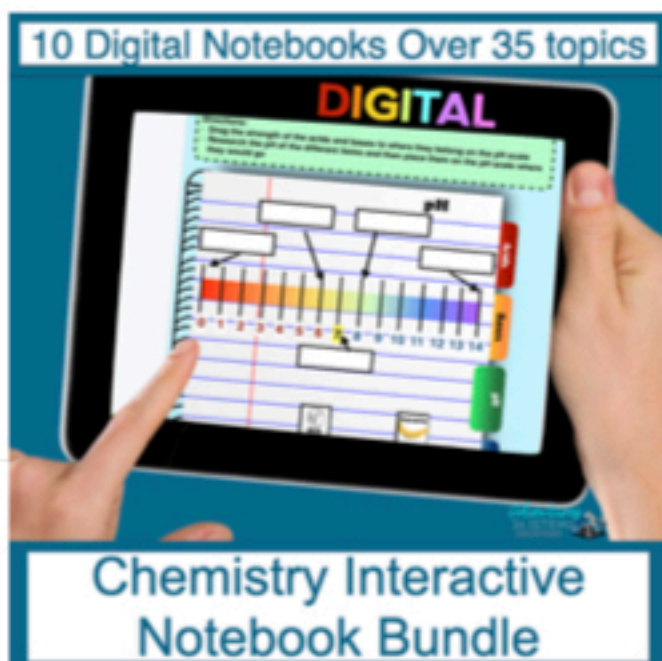




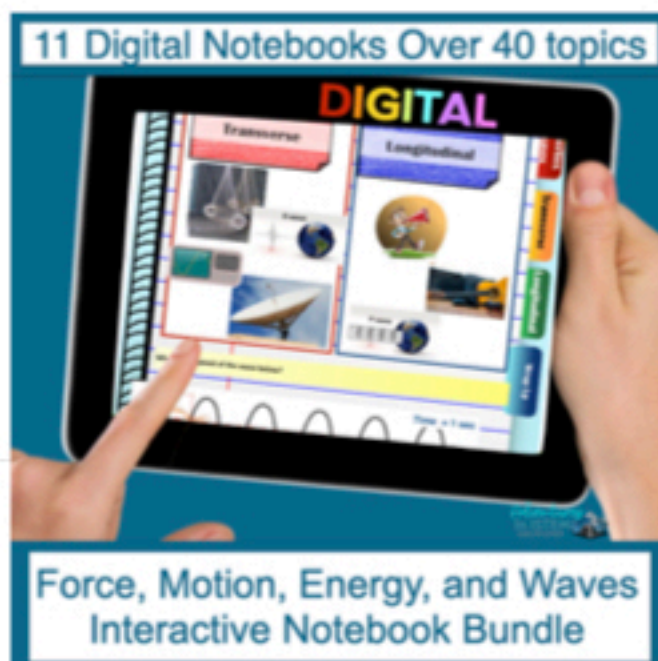
# Save Money and Grab a Bundle



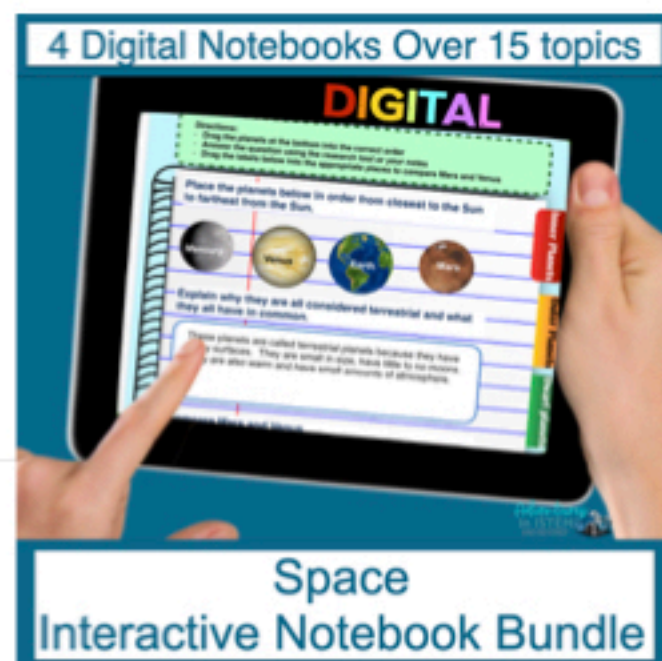
Years worth of digital notebooks covering over 100 physical science topics.



10 digital notebooks covering over 35 chemistry topics.



11 digital notebooks covering over 35 physics topics.



4 digital notebooks covering over 35 space topics.





# Teaching STEM Through Inquiry

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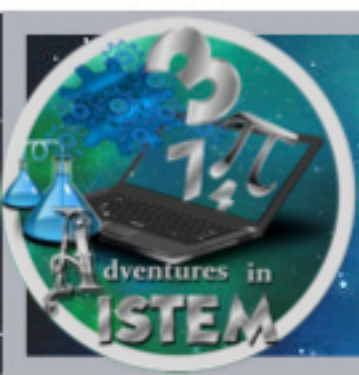
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## Special Thanks

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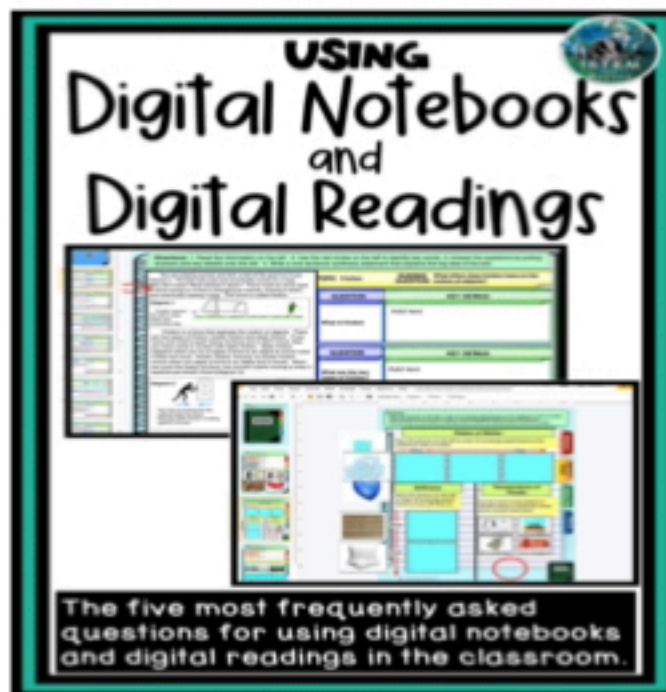




# Digital Resources

## Using Digital Products?

If you are new to using digital lessons than I recommend to check out my blog post that contains the most frequently asked questions. Click the picture for the link.



I would also recommend checking out my Google Slide videos that demonstrate how to drag and drop pieces, write in the text boxes, add objects, and more. These are short videos that can easily be shared with students and parents. Click the picture for the link

