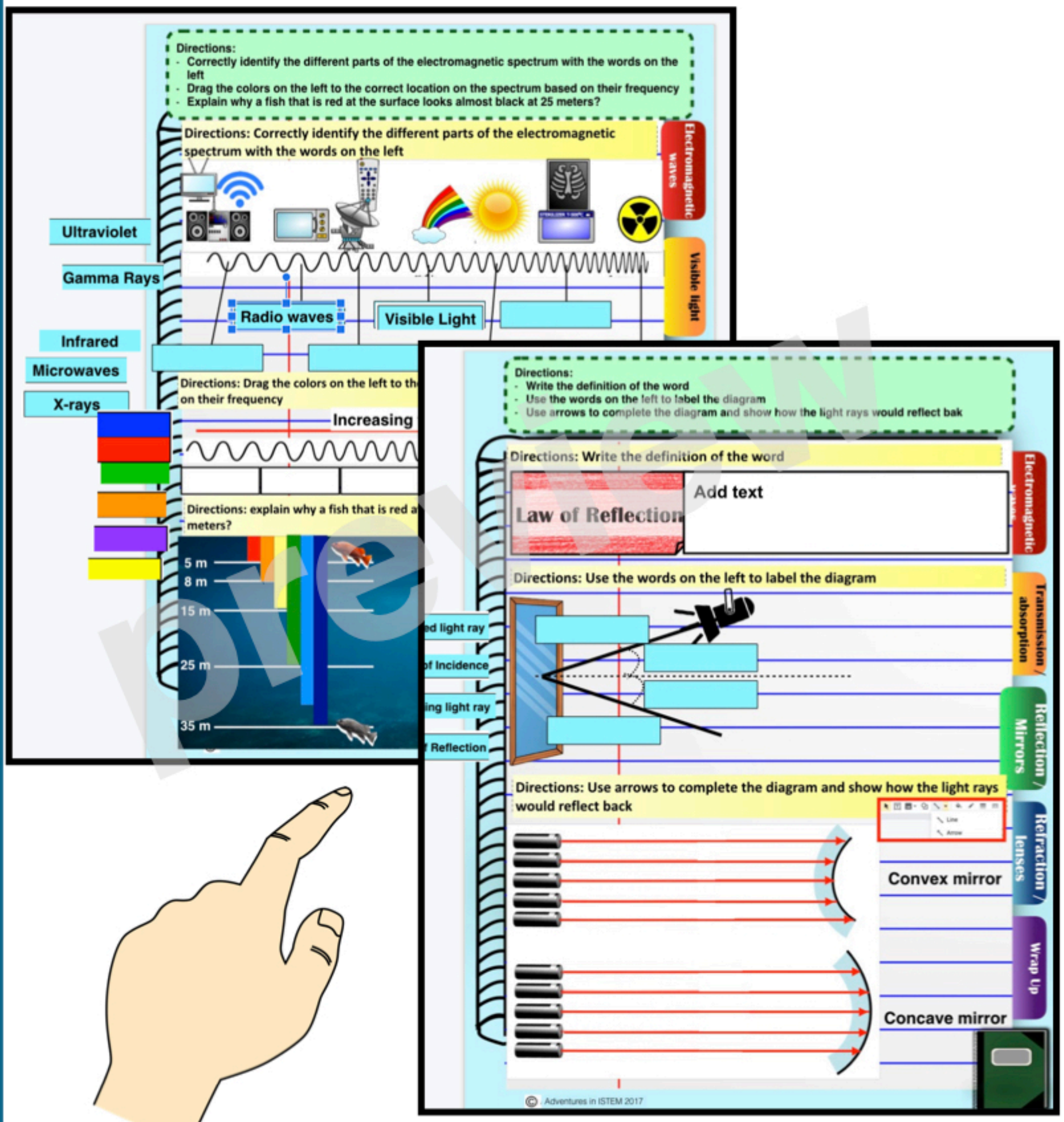
Students will identify and describe



Students will analyze and explain

Directions:
- Write the definition of the word
- Use arrows to complete the diagram and show how the light rays would pass through
- Explain how you could use the angle of refraction to help you catch a fish

Directions: Write the definition of the word

Refraction

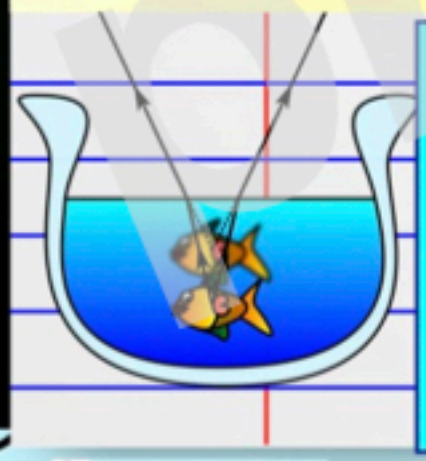
The change in direction of a wave as it changes its speed while traveling through different mediums.

Directions: Use arrows to complete the dia
would pass through

Convex lense

Concave lense

Directions: Explain how you could use the angl
fish?



If you know
refraction
realizing th
to see the
actually is
you would
line, fishin
location ar

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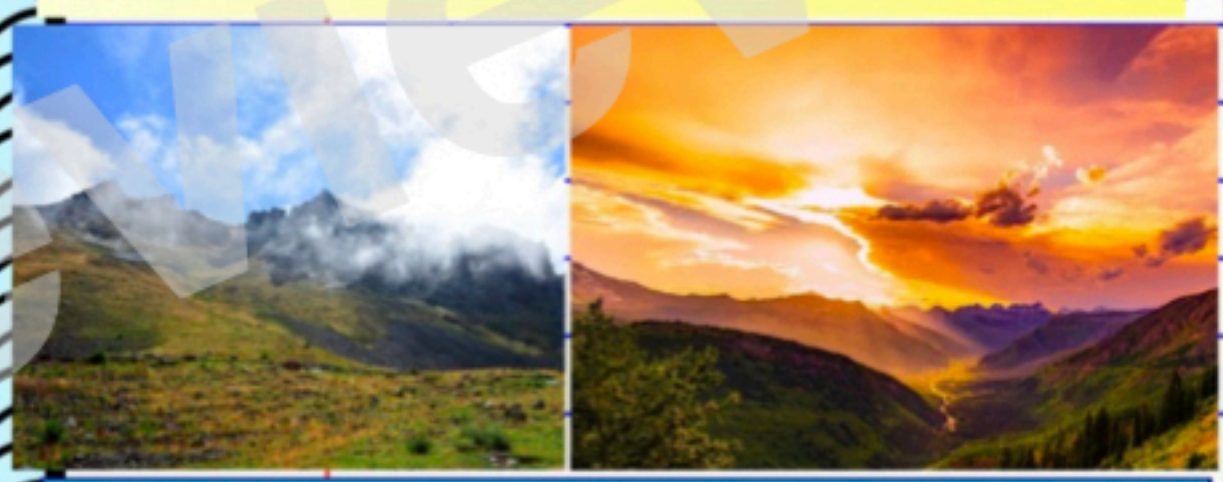
Directions:
- Answer the question below. Make sure to include evidence in your explanation.

Directions: Use your knowledge of absorption, reflection, refraction, and transmission to answer the question: Why does the sky appear blue during the day and red/yellow/pink at sunrise and sunset? Include evidence to explain your answer.



Add text

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Electromagnetic waves

Transmission / absorption

Reflection / Mirrors

Refraction / lenses

Wrap Up

Teacher directions and answer key provided

Directions:
- Write the definition of the word
- Use arrows to complete the diagram and show how the light rays would pass through
- Explain how you could use the angle of refraction to help you catch a fish

Directions: Write the definition of the word

Refraction

The change in direction of a wave as it changes its speed while traveling through different mediums.

Directions: Use arrows to complete the diagram and show how the light rays would pass through

Convex lense

Concave lense

Directions: Explain how you could use the angle of refraction to help you catch a fish?

If you know what the angle of refraction is you can adjust for it realizing the where you perceive to see the fish is not where it actually is. You can modify where you would put your net, fishing line, fishing spear to its actual location and not where you see it.

Electromagnetic waves

Transmission / absorption

Reflection / Mirrors

Refraction / lenses

Wrap Up

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

Teachers Guide

What You Will Need To Get Started:

1. Download link for the Google Resource

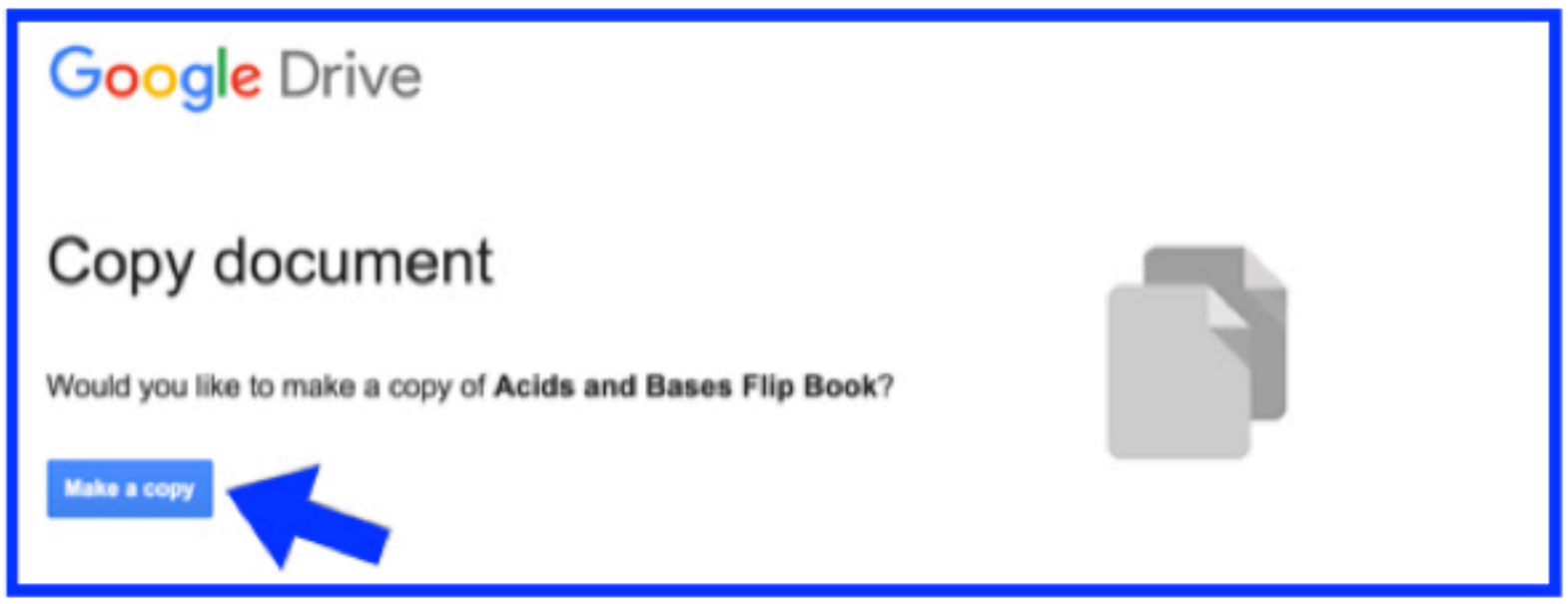
Cell Cycle Digital Interactive Notebook Student

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

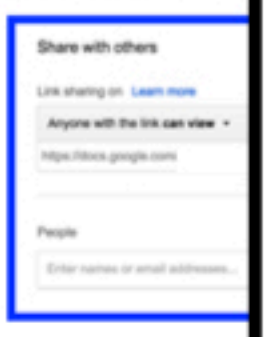
Teacher directions on how to share with students in google classroom, microsoft one drive, or any other LMS

How to use this resource with your student:

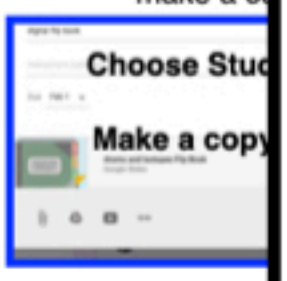
Google Directions:

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
  secure site that re
  link on an open cl



B. Use goog
   resource
   make a c



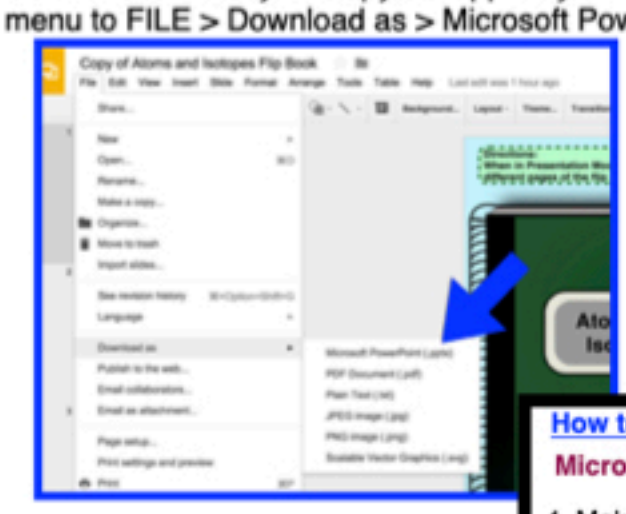
2. Students will be able
automatically saved.

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 fo
step is recommended to keep you and yo

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

How to use this resource with your student:

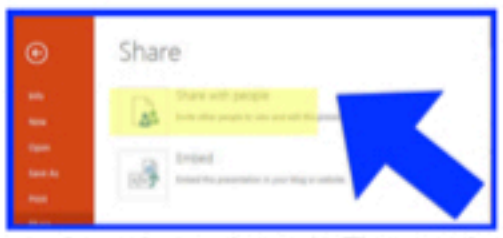
Microsoft OneDrive Directions:

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

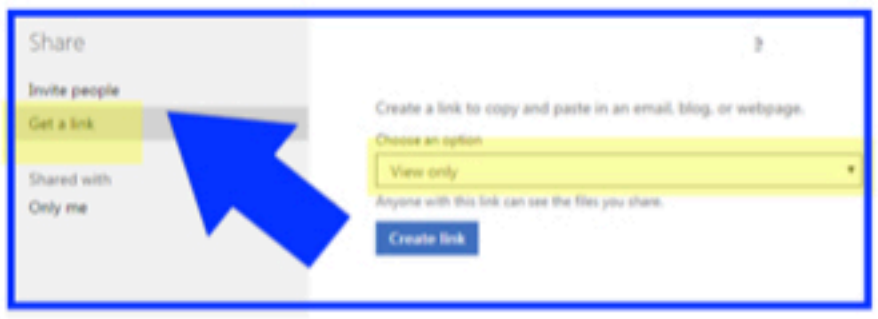
5. You will want to interact with the digital flip book in the "edit mode". This allows you to add their own text and move the pieces.

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

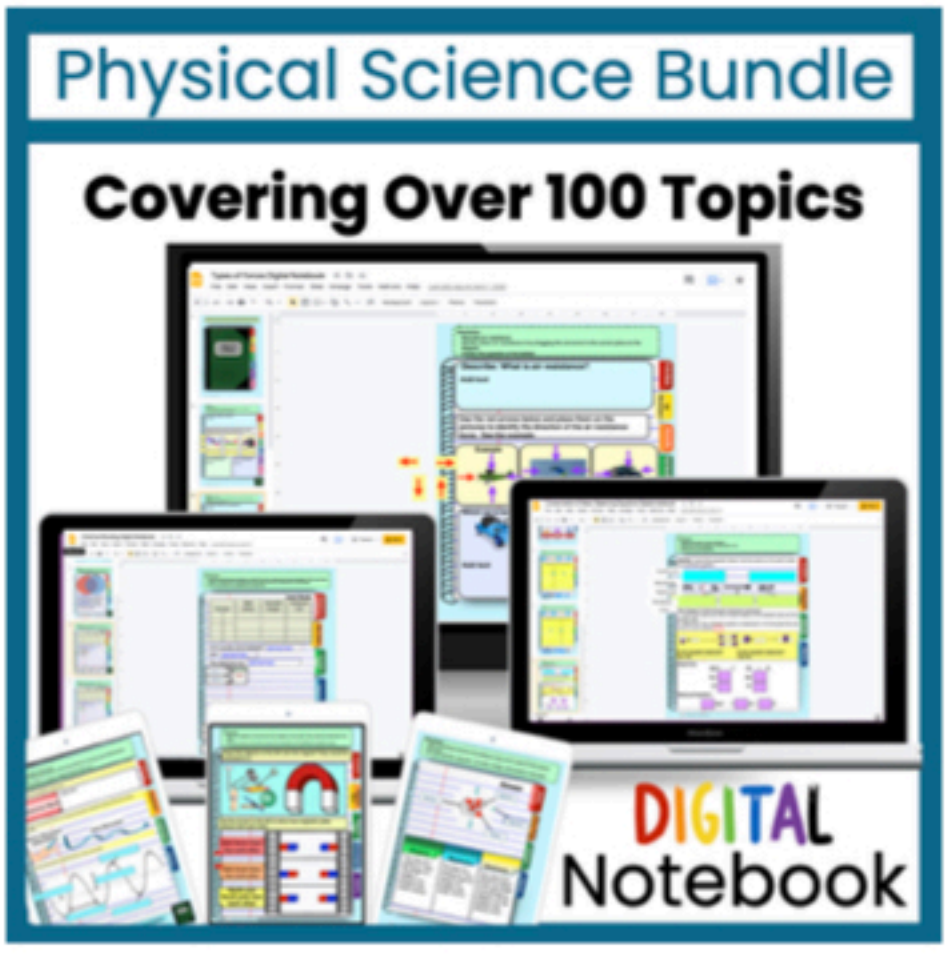
7. Follow your normal steps in sharing the file with your students. Go to Share > Share with people



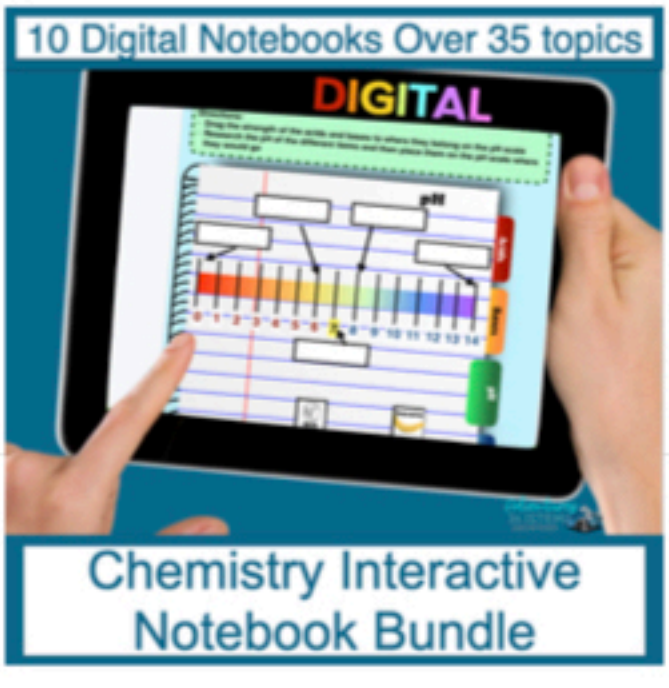
8. Choose the option to view only. Then require your students to make a copy in their own drive before editing the file. This ensures your students do not edit your file.
   - **Remember**, when sharing your link with your students make sure it is a secure formate that requires a log in password and not on a personal, school, or district that can be accessed by anyone



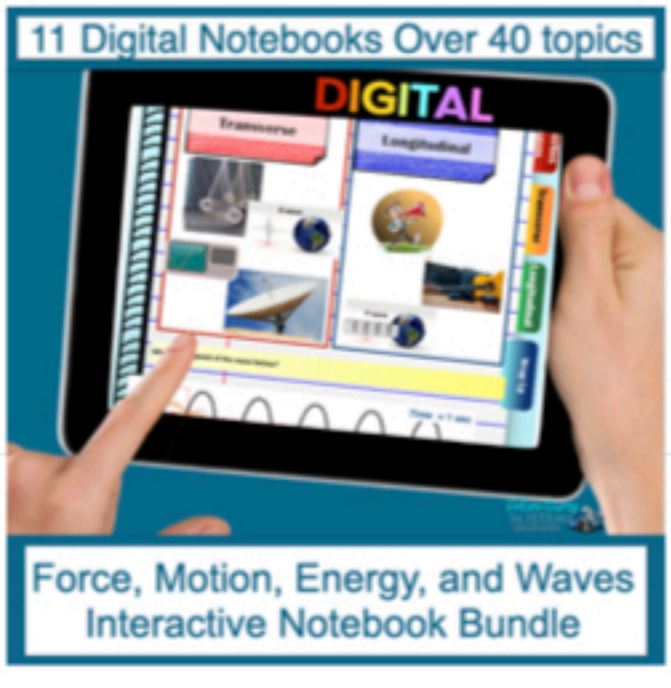
Save Money and Grab a Bundle



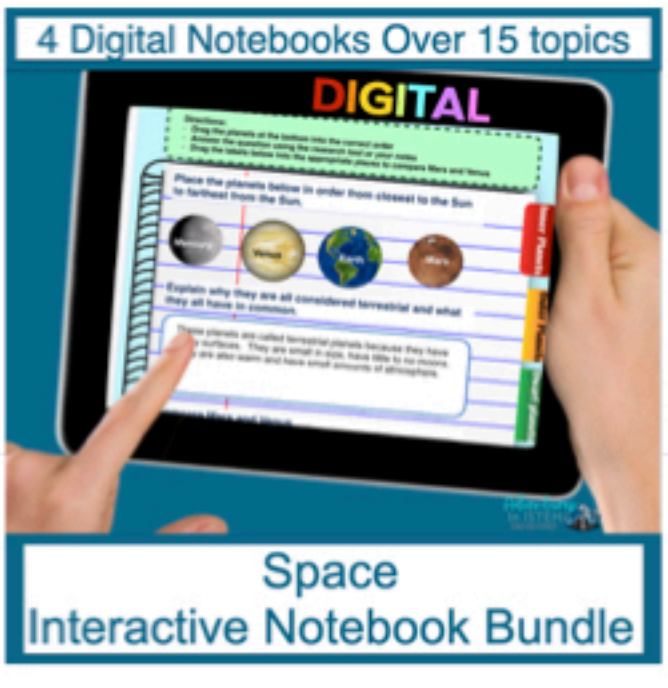
Years worth of digital notebooks covering over 100 physical science topics.



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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Thank You for taking the time to visit my store and downloading one of my products. I hope you find this resource a useful tool for your classroom. I appreciate your support and look forward to your feedback.

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Cancer affects not only the person but everyone they know. A portion of the proceeds of this product are going to the organization LLS which helps to fund treatments and find a cure.

Have a Question?

I do my best to insure that this product is free from issues and mistakes. However, Sometimes links change and mistakes are missed by even the best editors, if you are experiencing any issues with this product please contact me first at kristi@adventuresinistem.com

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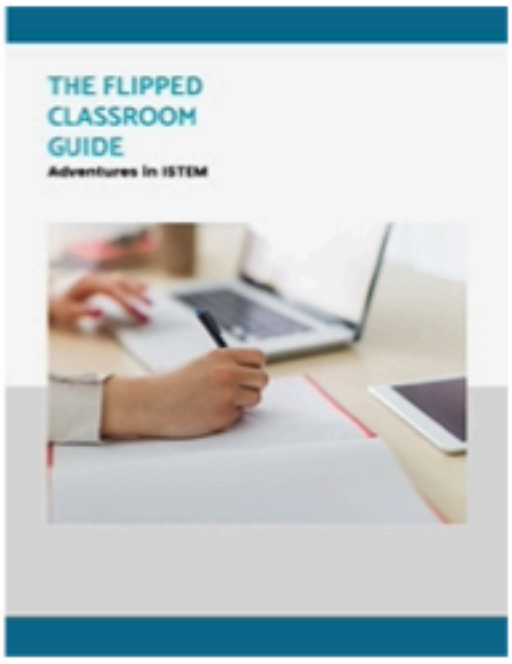
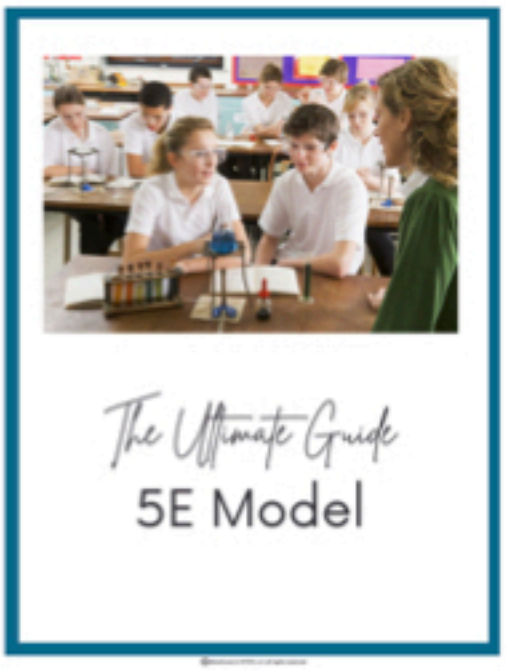
Grab the free guides (flipped classroom guide / 5E model guide) to help empower students and then receive weekly tips, strategies, ideas, and freebies delivered right to your inbox.





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Special Thanks

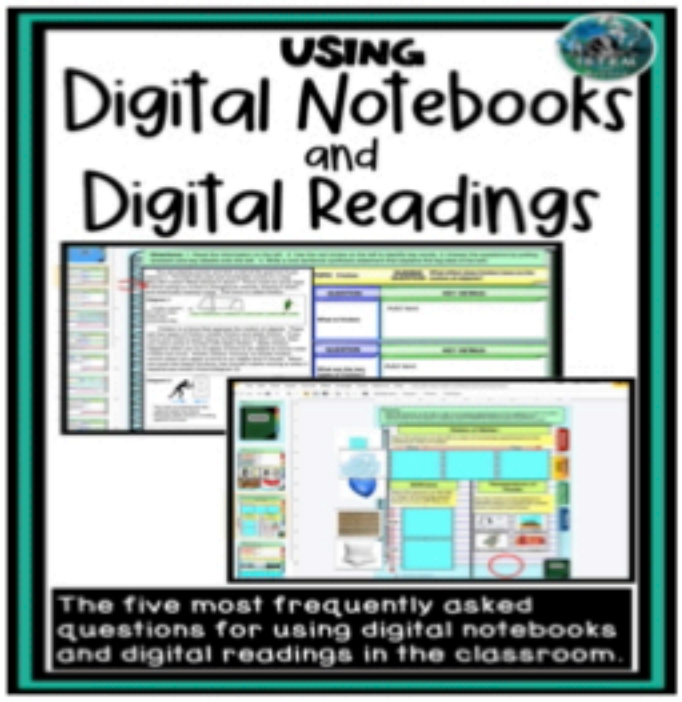
Pixabay

GO INTERACTIVE GOOGLE DRIVE TOOL KIT Shelly ALL Knight

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