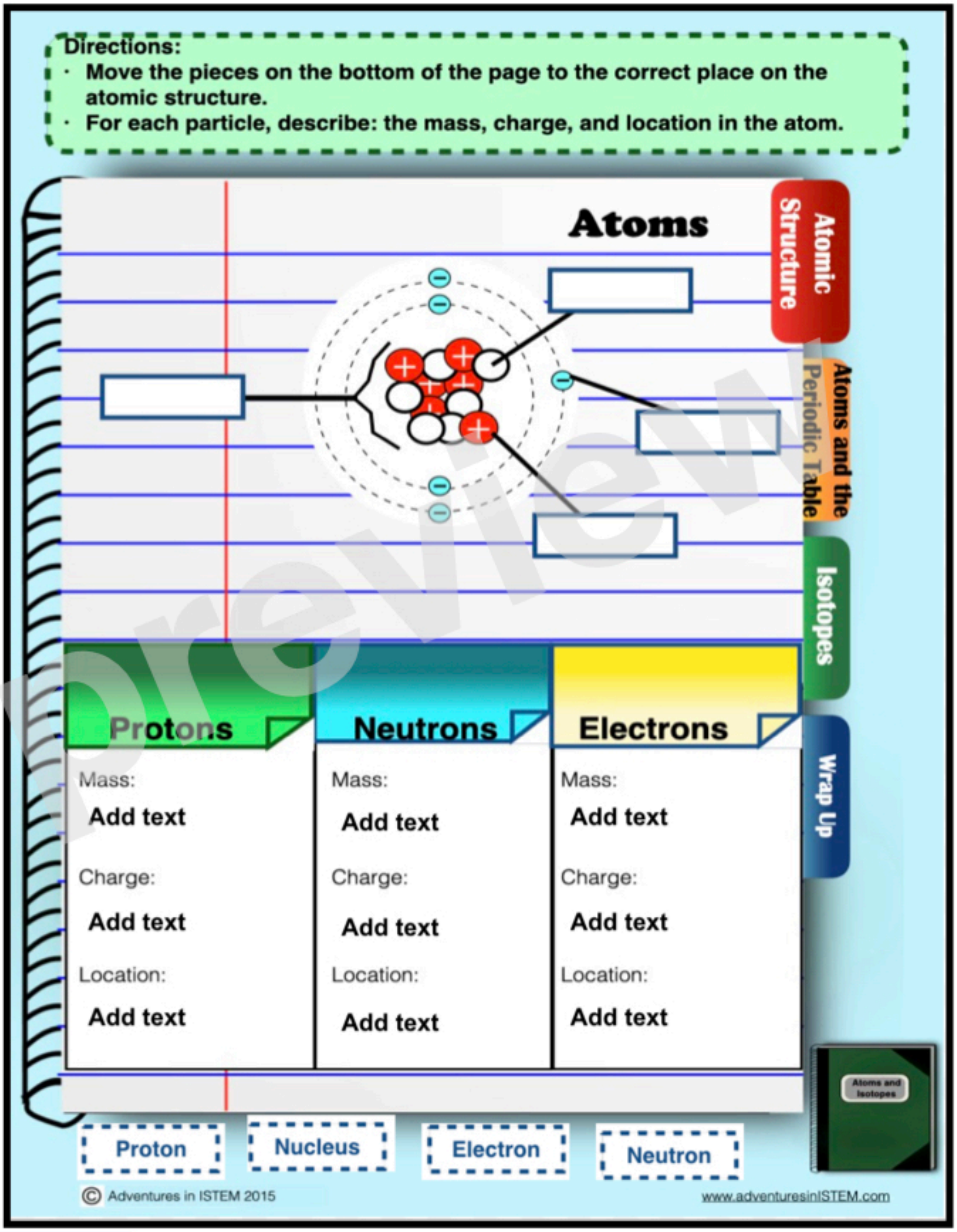
Students identify parts of an atom

Directions:

- Move the pieces on the bottom of the page to the correct place on the atomic structure.
- For each particle, describe: the mass, charge, and location in the atom.



Students identify and label objects

- Fill in the chart with the correct atomic number, atomic mass, and number of protons, neutrons, and electrons.

Atoms and the Periodic Table

Atomic Number (APE)

A = ____ equals

P = ____ which equals

____

Atomic Mass (MAN)

M = ____ equals

A = ____ + (plus)

N = ____

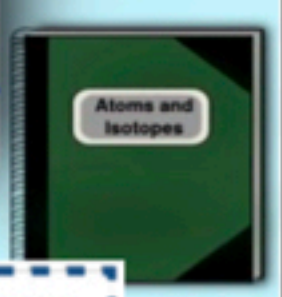
Atomic Structure

Atoms and the Periodic Table

Isotopes

Wrap Up

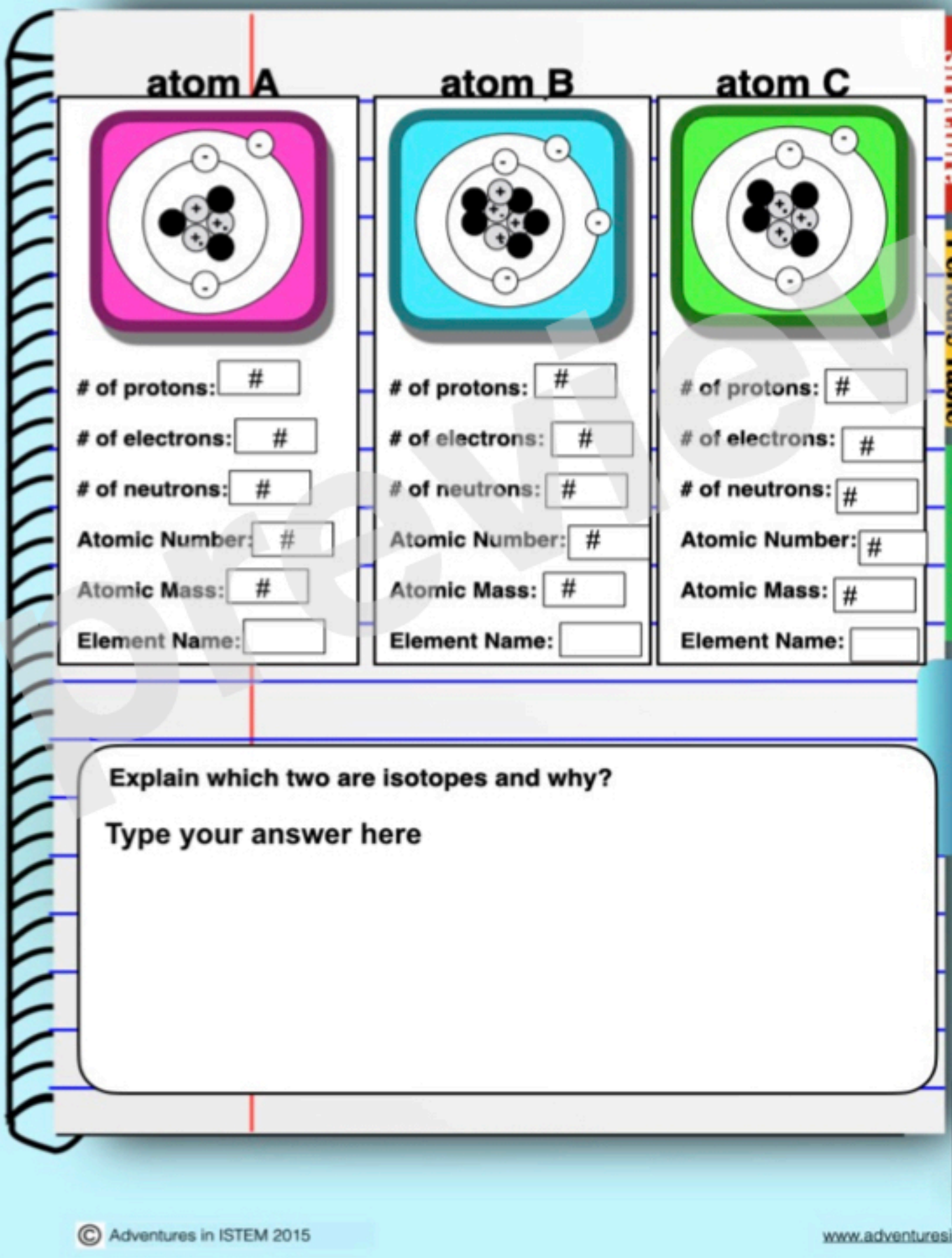
	Atomic Number	Atomic Mass	Protons	Neutrons	Electrons
arbon (C)					
Neon (Ne)					
Sodium (Na)					



Proton | atomic mass | Neutron | Electron | atomic number

Students compare and analyze

Directions:
- Identify the number of protons, neutrons, electrons, atomic number, atomic mass, and element name for atoms A, B, and C.
- Explain which two atoms are isotopes of each other and why?

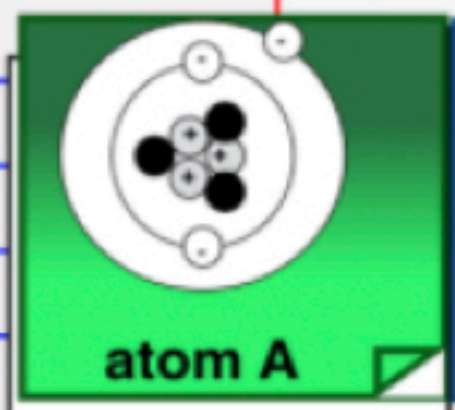


Teacher directions and answer key provided

Directions:

- Identify the number of protons, neutrons, electrons, atomic number, atomic mass, and element name for atom A, B, and C.
- Explain what an isotope is by filling in the blanks. Use text boxes.

Isotopes



	atom A	atom B	atom C
# of protons:	3	3	3
# of electrons:	3	3	3
# of neutrons:	3	4	5
Atomic Number:	3	3	3
Atomic Mass:	6	7	3
Element Name:	Lithium	Lithium	Lithium

Isotopes are atoms with the same number of **protons** but different number of **neutrons**. For example,

atom A and atom B both have 3 protons, however atom A has 3 neutrons and atom B has 4 neutrons.

Atomic Structure
Atoms and the Periodic Table
Isotopes
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

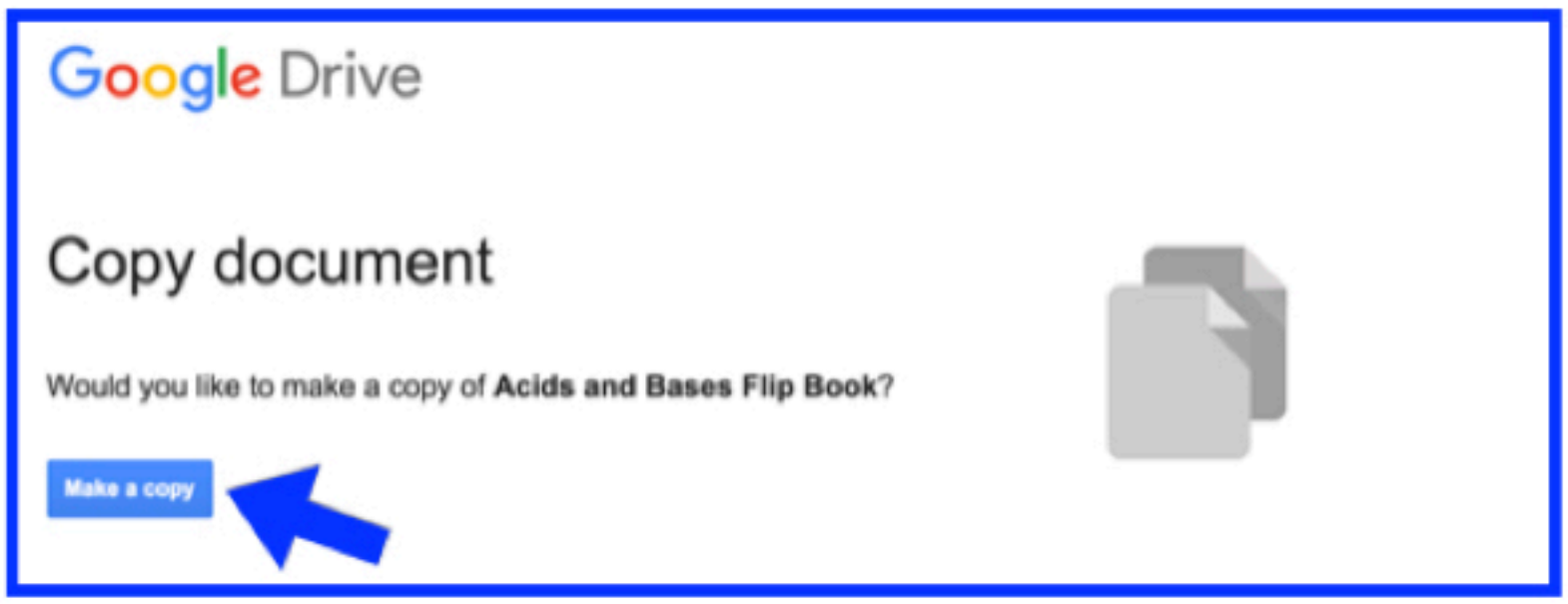
Cell Cycle Digital Interactive Notebook Student

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

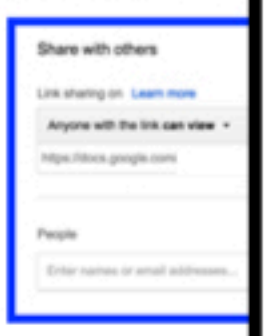
Teacher directions on how to share with students in google classroom, microsoft one drive, or any other LMS

How to use this resource with your student:

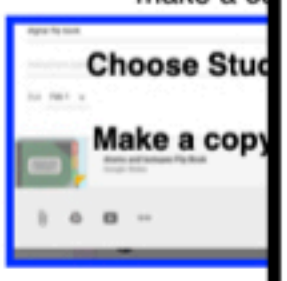
Google Directions:

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



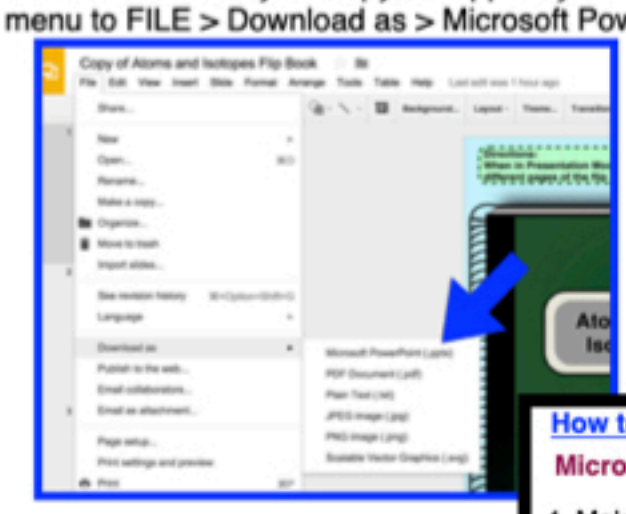
2. Students will be able
automatically saved.

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 you

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

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How to use this resource with your student:

Microsoft OneDrive Directions:

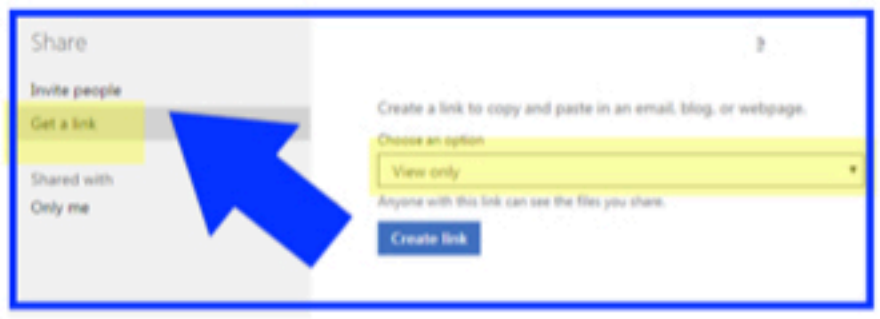
4. Make sure that you open the resource to make sure it is in good working order before sharing it with your students.

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.

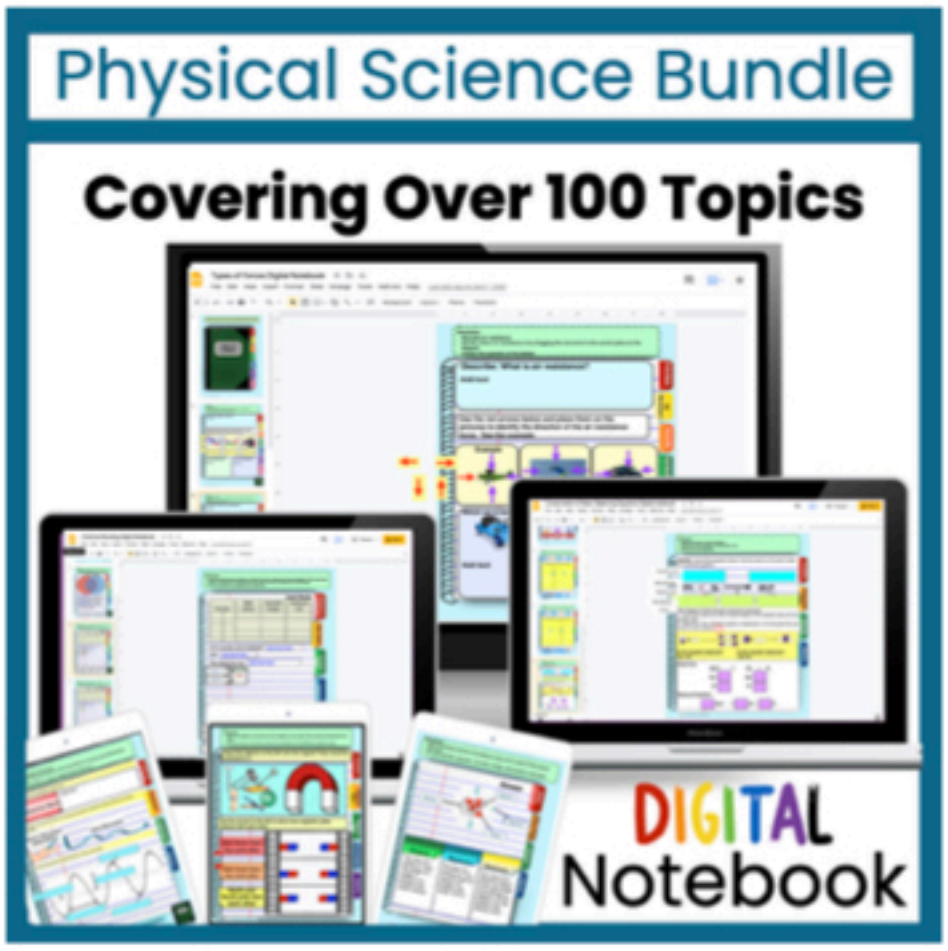
6. You will be prompted to choose to edit the file in PowerPoint or online. Select online. It will then open in a browser.

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

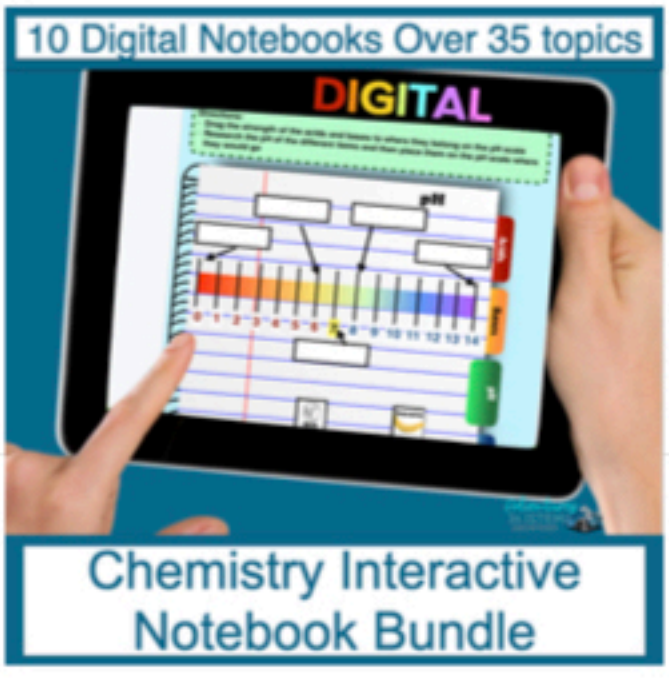
8. Choose the option to view only. Then require your students to make a copy in their own drive before editing the file. This ensures your students do not edit your file.
   - **Remember**, when sharing your link with your students make sure it is a secure formate that requires a log in password and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



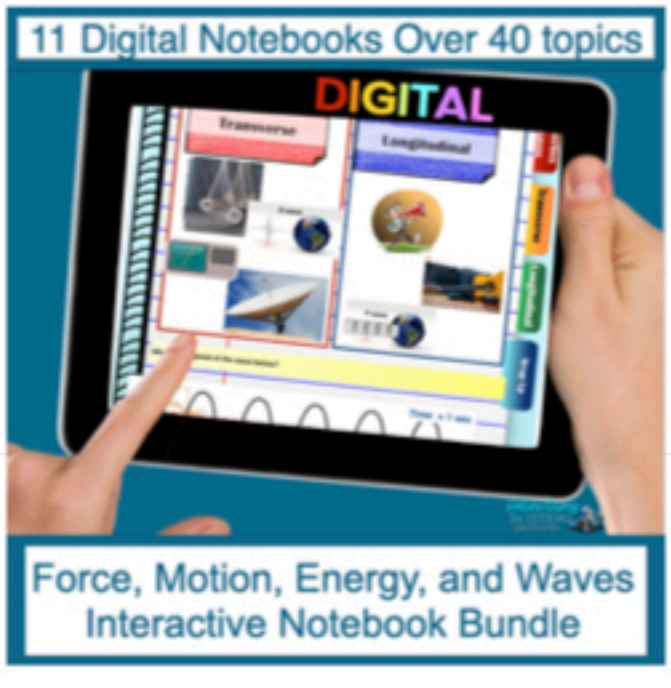
Save Money and Grab a Bundle



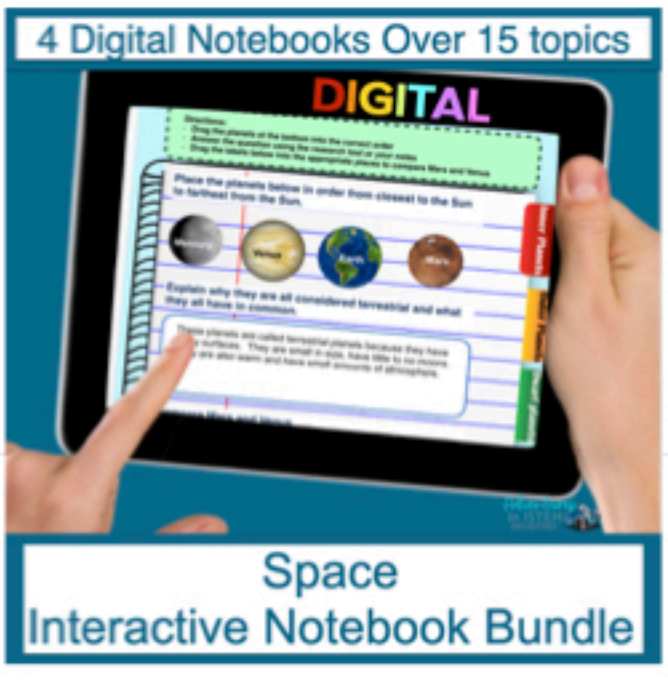
Years worth of digital notebooks covering over 100 physical science topics.



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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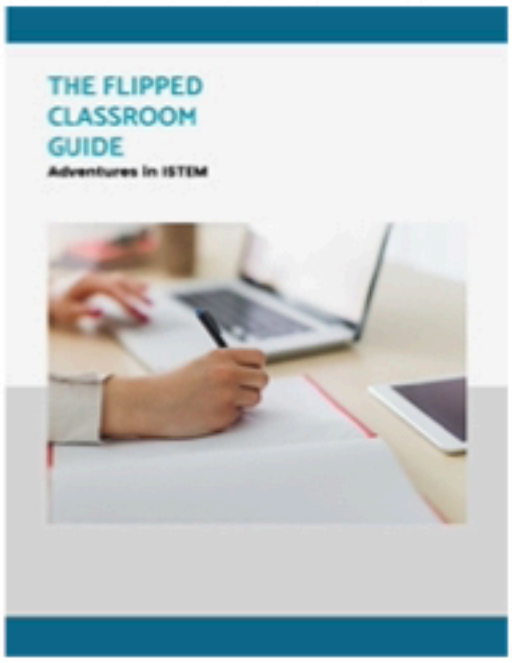
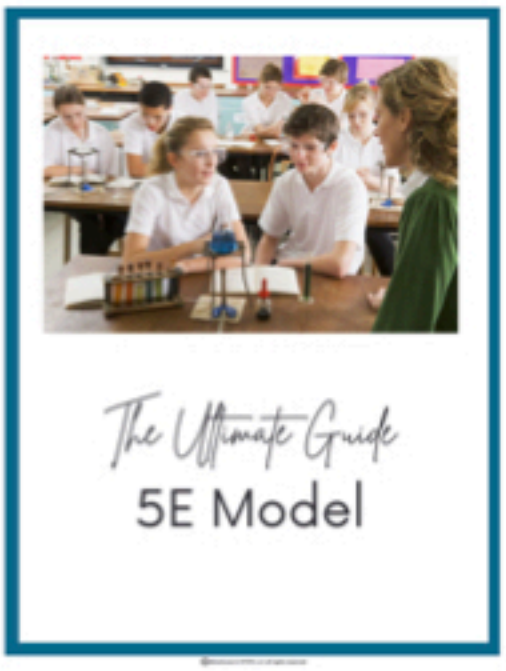
Grab the FREE guides

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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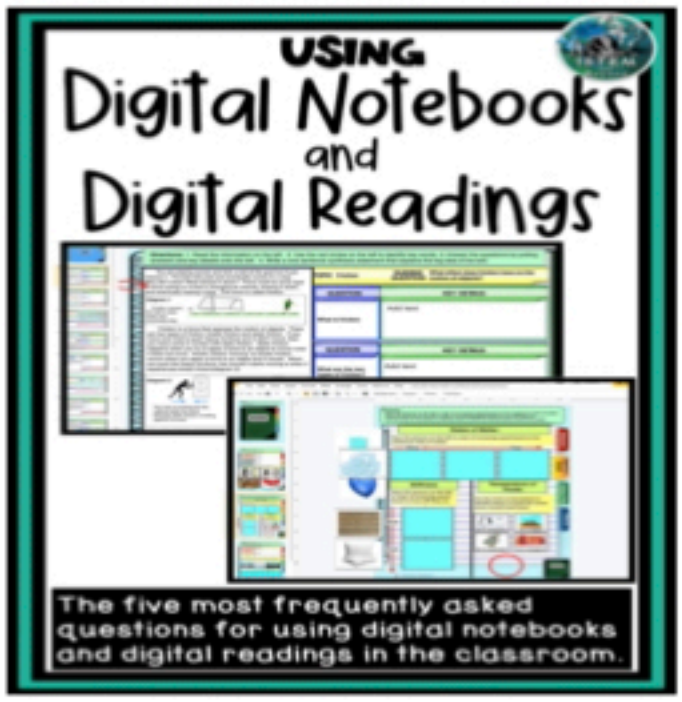
Digital Resources

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