The Information Processing Cycle

AN INTRODUCTORY LESSON

A Digital Discovery Activity for any Technology or Computer class

Middle School or High School

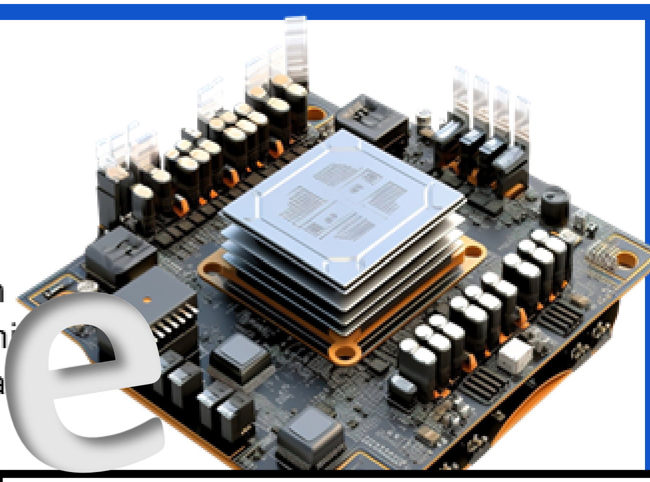
A Google Slides file that easily converts to Microsoft PowerPoint

NO PREP!
SAVES YOU TIME!

BUSINESS EDUCATION WITH *Denise Leigh*

Students use vetted links to answer the prompts

Processing



Computer processing is the series of actions a computer takes to tra[illegible]orm input data into a meaningful output. It involves the CPU (Central Process[illegible] Uni[illegible] executing instructions from software to manipulat[illegible] [illegible]cula[illegible] and [illegible]an[illegible] da[illegible] [illegible]ely producing res[illegible] like di[illegible]ying [illegible]form[illegible]ion[illegible] [illegible]oring [illegible]ta, contr[illegible]ng o[illegible]er de[illegible]es.

The C[illegible]tral Proces[illegible]g [illegible] (C[illegible] [illegible] called the *brain of the comp[illegible]r*. Just like your [illegible] every[illegible] the [illegible]mp[illegible]er does. It takes instructions (like opening an app, typing a word, or pla[illegible] signals [illegible] the rest of the computer to make things happen.
You can think of the CPU in three simple parts:

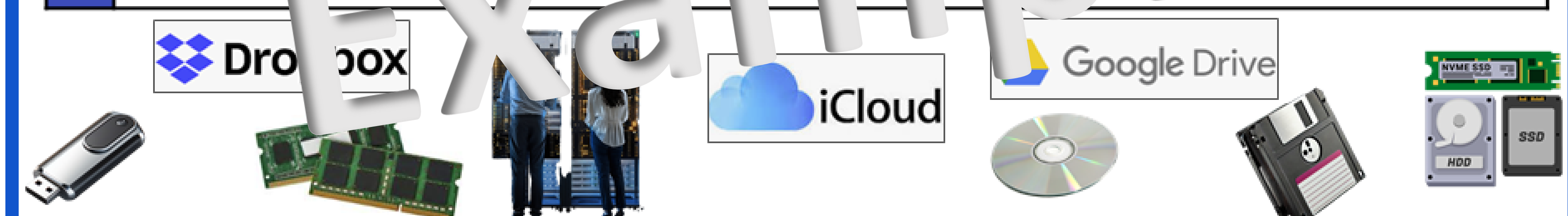
1. **Input:** It receives instructions from you (like when you click a mouse or press a key).
2. **Processing:** It thinks about those instructions, does the math, and makes decisions.
3. **Output:** It tells the screen, speakers, or other parts of the computer what to do next.

The faster the CPU is, the more instructions it can handle every second—just like a faster bra[illegible] when people talk about how "fast" a computer is, they're usually talking about the power of its [illegible]

Students cannot copy & paste

Computer Storage

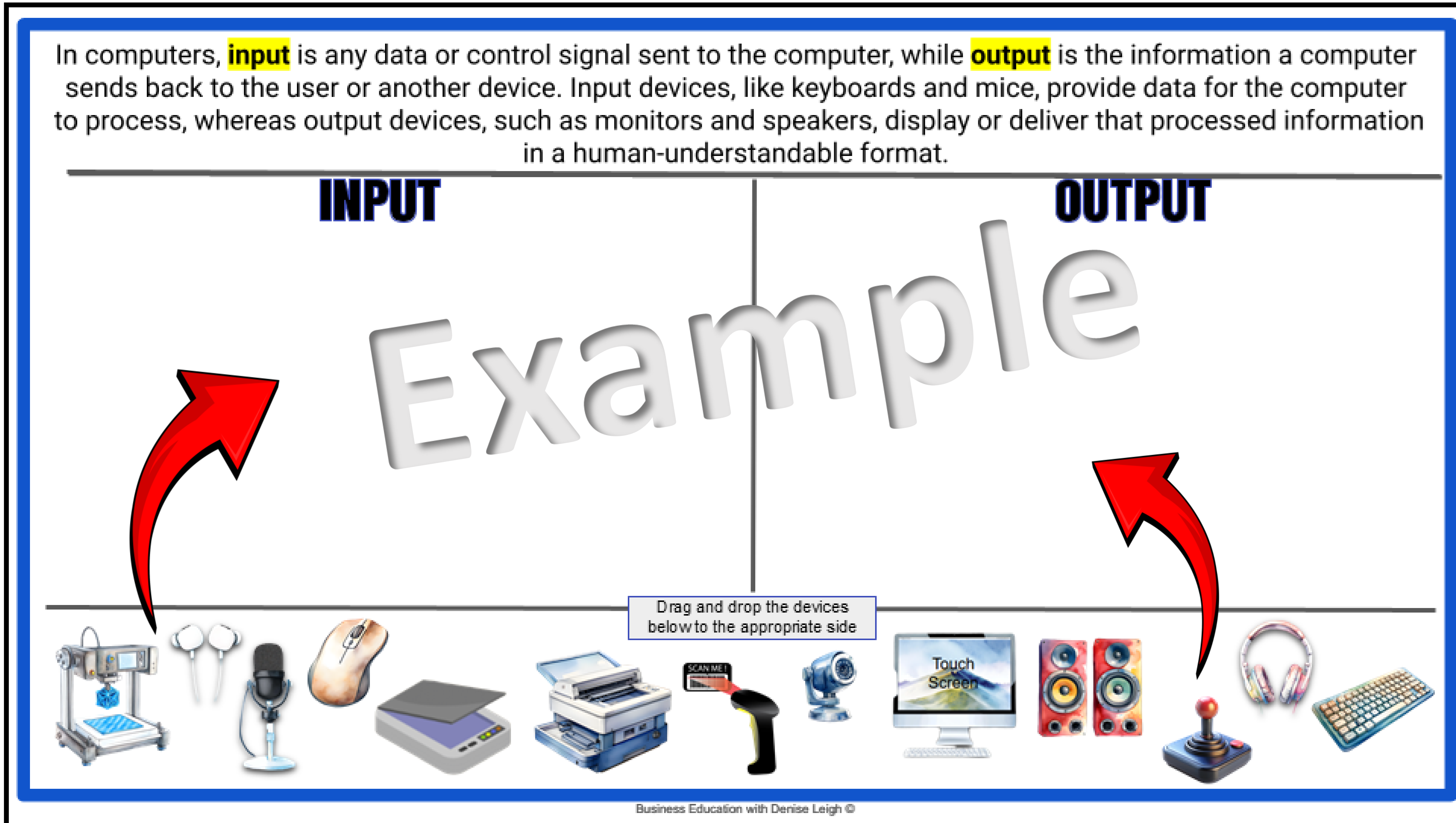
There are four main categories of computer storage. Click on THIS LINK to discover them and record your findings in the table below…		
	Storage Category	What type of storage is included in this category?
1		
2		
3		
4		



NO PREP!
PLUG & PLAY!

Teaching Duration: 40 minutes + Discussions

Students DRAG & DROP the Icons to INPUT or OUTPUT



Teaching Duration: 40 minutes + Discussions

NO PREP Introductory Activity

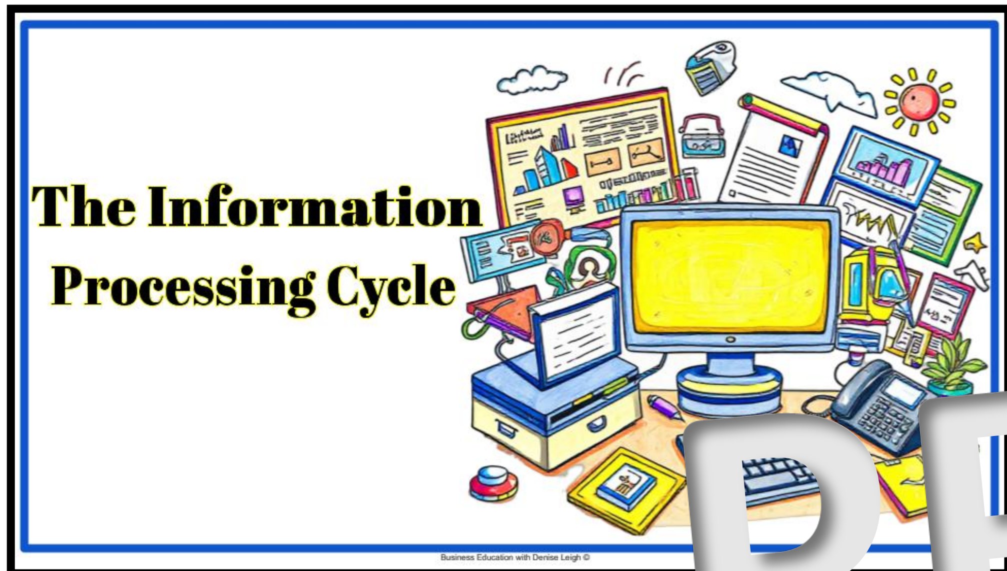
Perfect for a Technology, STEM, Computer Applications, and Computer Literacy class

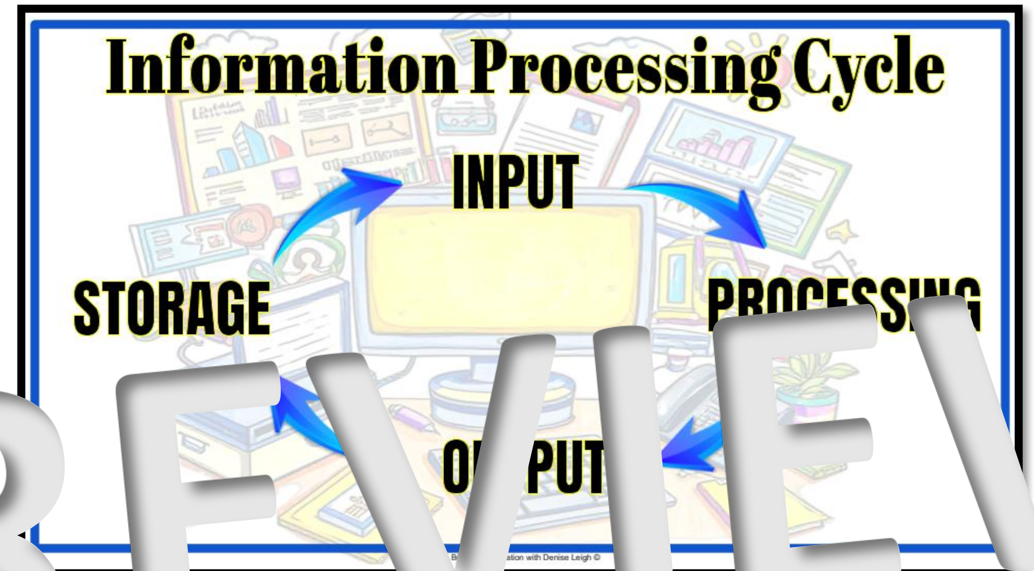
Learning Objective:

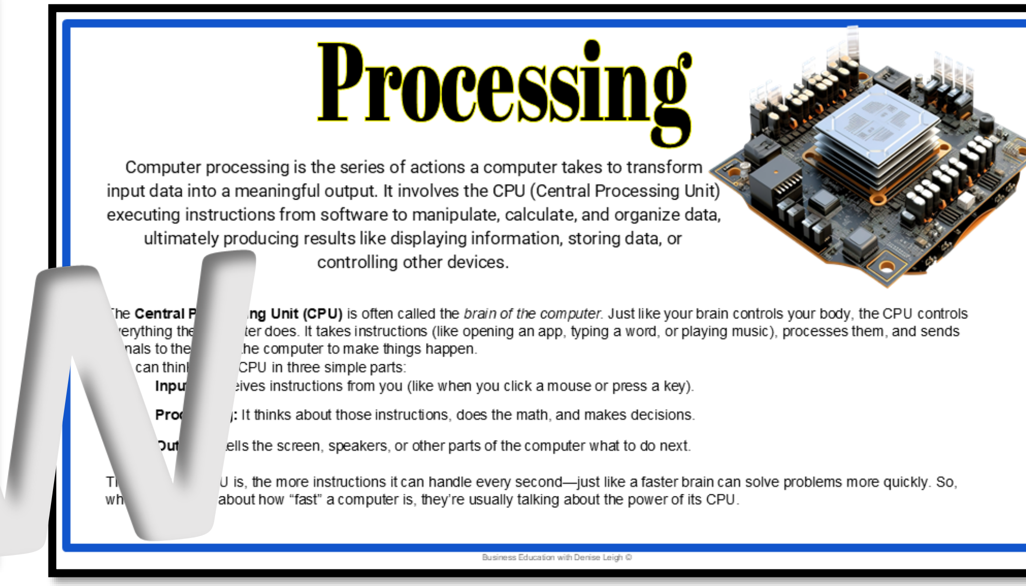
- ✅ Students learn the information processing cycle and each individual component: input, processing, output, and storage.
- ✅ Students are assessed on each of the components.

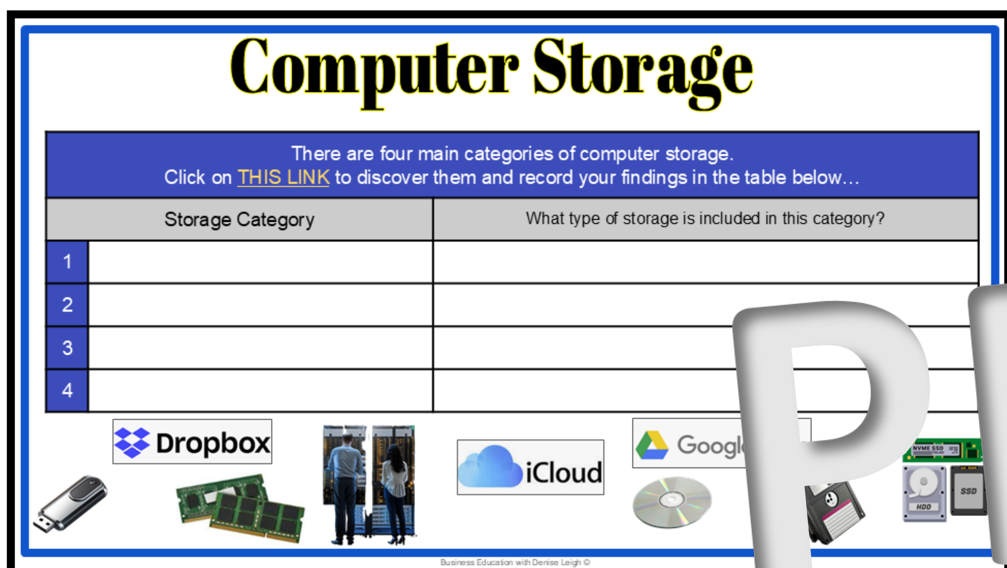
Great for In Person, Sub Day, or Virtual

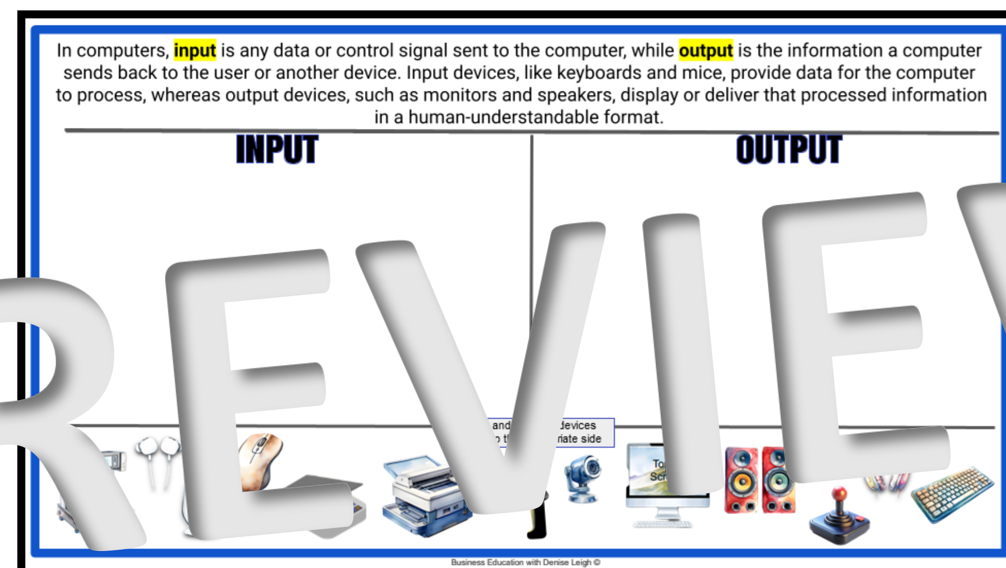
6 Slides included

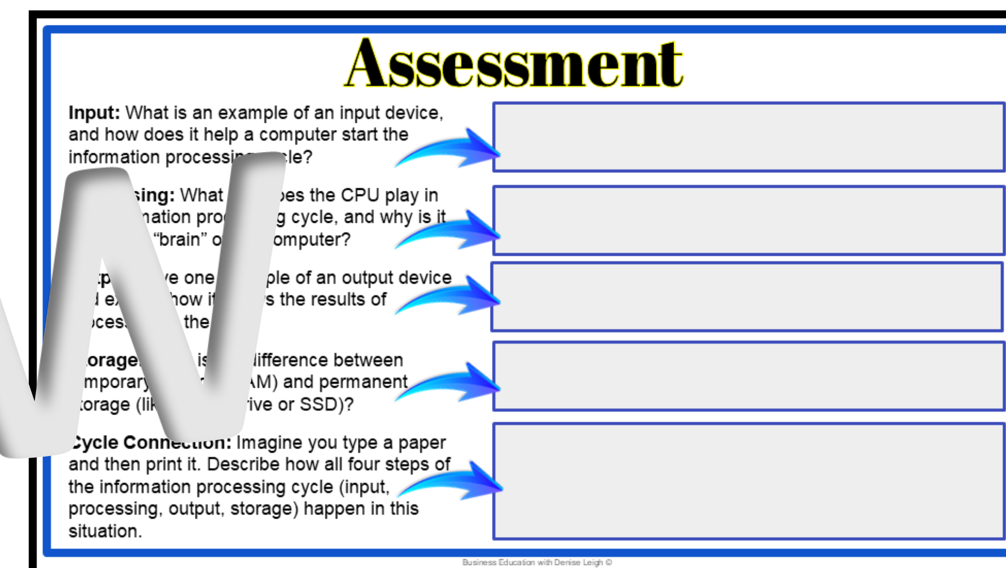












PREVIEW

PREVIEW

Google Slides that easily converts to PowerPoint

Hi! My name is Denise Leigh. I have been teaching Business Education for over 25 years! I love collaborating with business educators all over the world. I am a 2022 Pennsylvania Teacher of the Year Finalist and relentless lifetime learner and lover of everything education. Engaging students and connecting them to their world is my jam!

Thank you for exploring my resources and sharing my passion for BUSINESS EDUCATION!

Denise Leigh is an expert on student-led instruction. She was featured on CBS Pittsburgh for her City Collaborative™ Project-Based Business Education (PBL) Classroom.