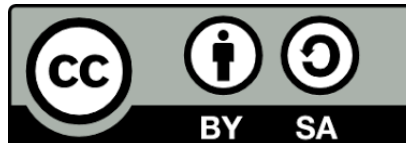# Incorporating Technology in your Teaching

Apply a technology tool to successfully achieve a learning outcome

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Technology in the Classroom

1. Have your CCTP **Tech Session Worksheet** in your **3 Incorporating Technology in Teaching folder**

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1. On your table you **find an envelope with items**.

2. In your group, identify how you might use this item to enhance your teaching or explain a concept.

Debrief

1. Share your demonstration
2. What questions did this practice raise in your groups?

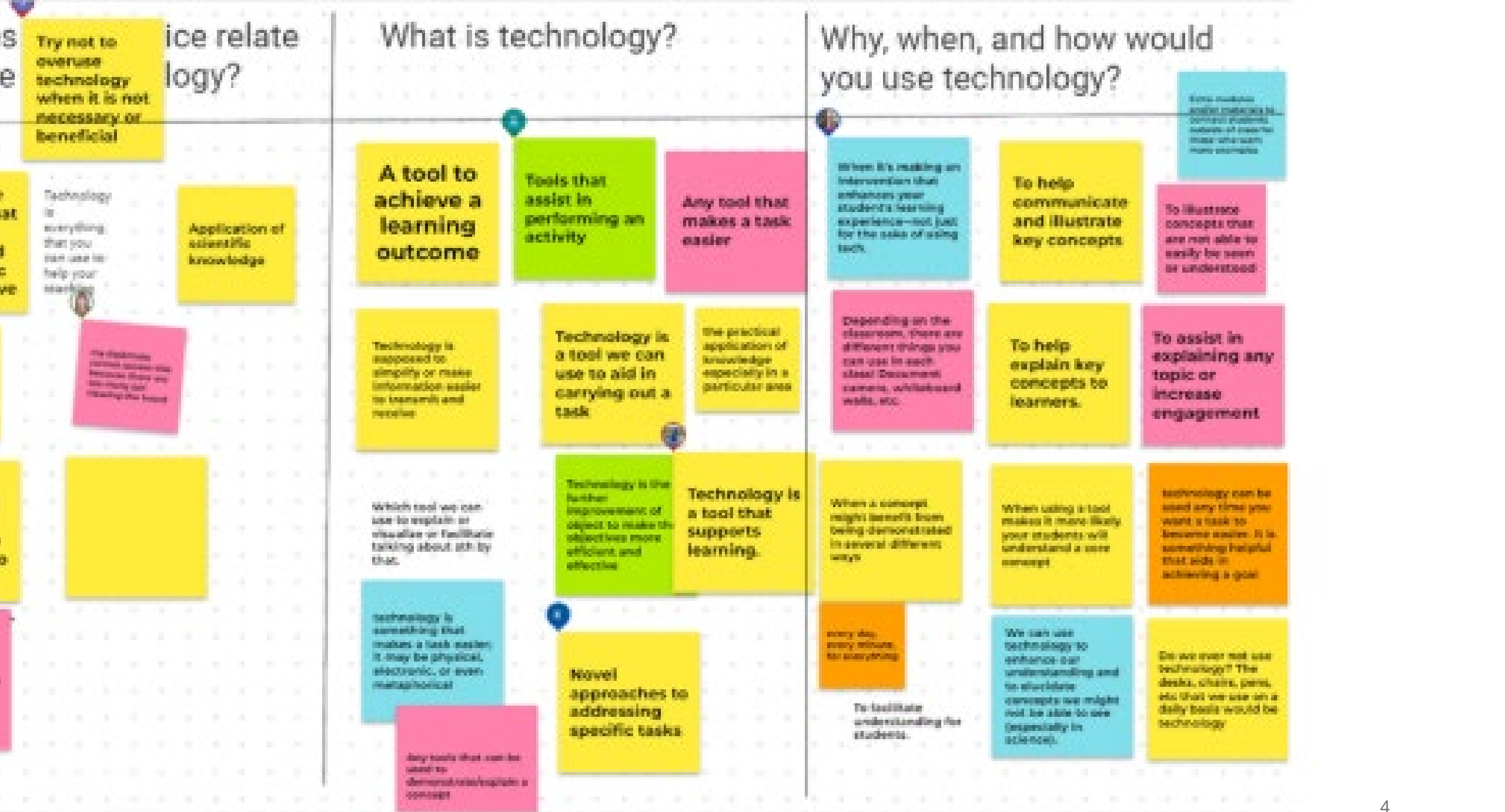**How does this practice relate to the use of technology?**

What is technology?

Why, when, and how would you use technology?

Technology Jamboard

In your Technology folder, open **Technology Jam!**

What is technology?

Why, when, and how would you use technology?

Try not to overuse technology when it is not necessary or beneficial

Technology is everything that you can use to help your...

Application of scientific knowledge

A tool to achieve a learning outcome

Tools than assist in performing an activity

Any tool that makes a task easier

Technology is supposed to simplify or make information easier to transmit and receive

Technology is a tool we can use to aid in carrying out a task

the practical application of knowledge especially in a particular area

Which tool we can use to explain or visualize or facilitate talking about sth by that.

Technology is the further improvement of object to make the objectives more efficient and effective

Technology is a tool that supports learning.

technology is something that makes a task easier. It may be physical, electronic, or even metaphorical

Novel approaches to addressing specific tasks

Any tools that can be used to demonstrate/explain a concept

When it's making an intervention that enhances your students learning experience—not just for the sake of using tech.

To help communicate and illustrate key concepts

To illustrate concepts that are not able to easily be seen or understood

Depending on the classroom, there are different things you can use in each class! Document camera, whiteboard walls, etc.

To help explain key concepts to learners.

To assist in explaining any topic or increase engagement

When a concept might benefit from being demonstrated in several different ways

When using a tool makes it more likely your students will understand a core concept

technology can be used any time you want a task to become easier. It is something helpful that aids in achieving a goal

every day, every minute, for everything

We can use technology to enhance our understanding and to elucidate concepts we might not be able to see (especially in science).

Do we ever not use technology? The desks, chairs, pens, etc that we use on a daily basis would be technology

To facilitate understanding for students.

4

Technology

The application of knowledge for practical purposes

The product of such application including a process, method, technique, as well as machinery or equipment or tools

(Oxford Dictionary)

Backward Design

Goal:

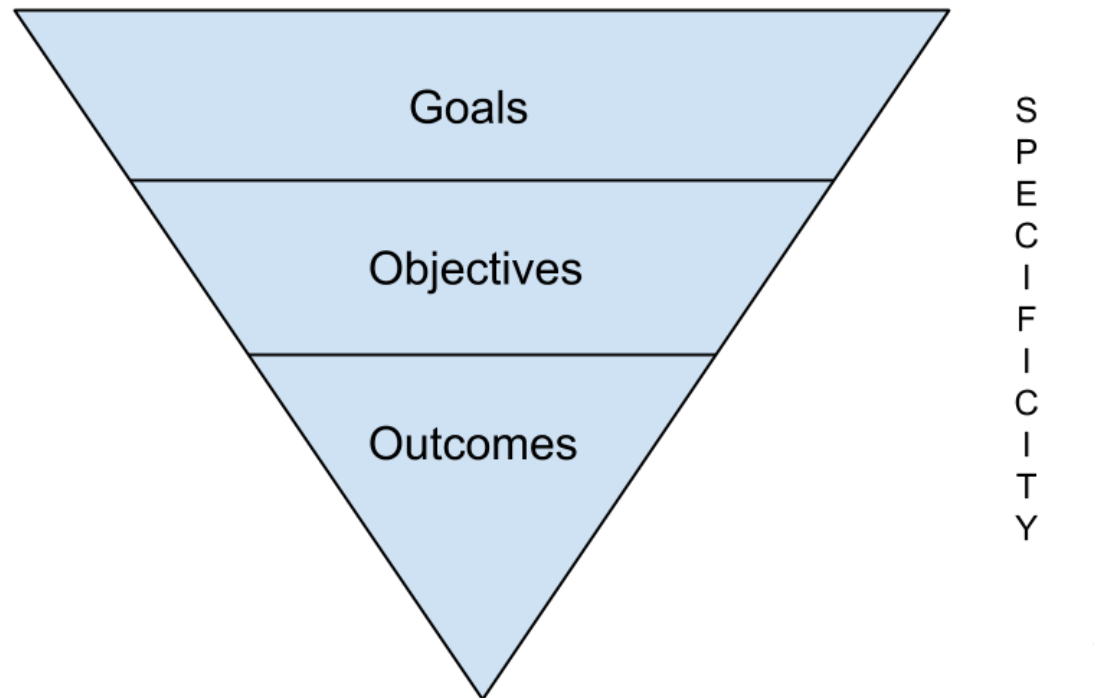Concept of technology and its application

Objective:

Defining technology and discuss its effective application

Outcome(s):

- Students will be able to define technology
- Students will give examples of when, why and how to use technology effectively for instruction

Learning Goal – Objective –Outcome

SMART: Specific, Measurable, Attainable, Relevant, Timebound/Targeted

Learning Objectives to Outcomes

Learning Objective

- A **statement of what a student should know or be able to do** at the end of an activity, unit, class, or course.

- A learning objective is SMART (specific, measurable, attainable, relevant, timebound/targeted)

Learning Outcome:

The student will be able to …

Why do they matter?

Fitting a technology to a learning objective

- **INCORPORATING TECHNOLOGY IN TEACHING**

Technology Jam

The Learning Context

- Imagine you are working in a general education course on **Subject X** (you can decide the subject) which meets in person twice a week in a lecture-style classroom. It is a relatively large classroom (-75 students) and is an introductory course for non-majors. Looking at the class roster, there are a variety of majors represented in the course.

1) TASK
- The **Learning Objective:** What skill/knowledge would you like to see in your students?
- Describe **ONE** of the most misunderstood concepts in [in one of your group member's discipline or field].
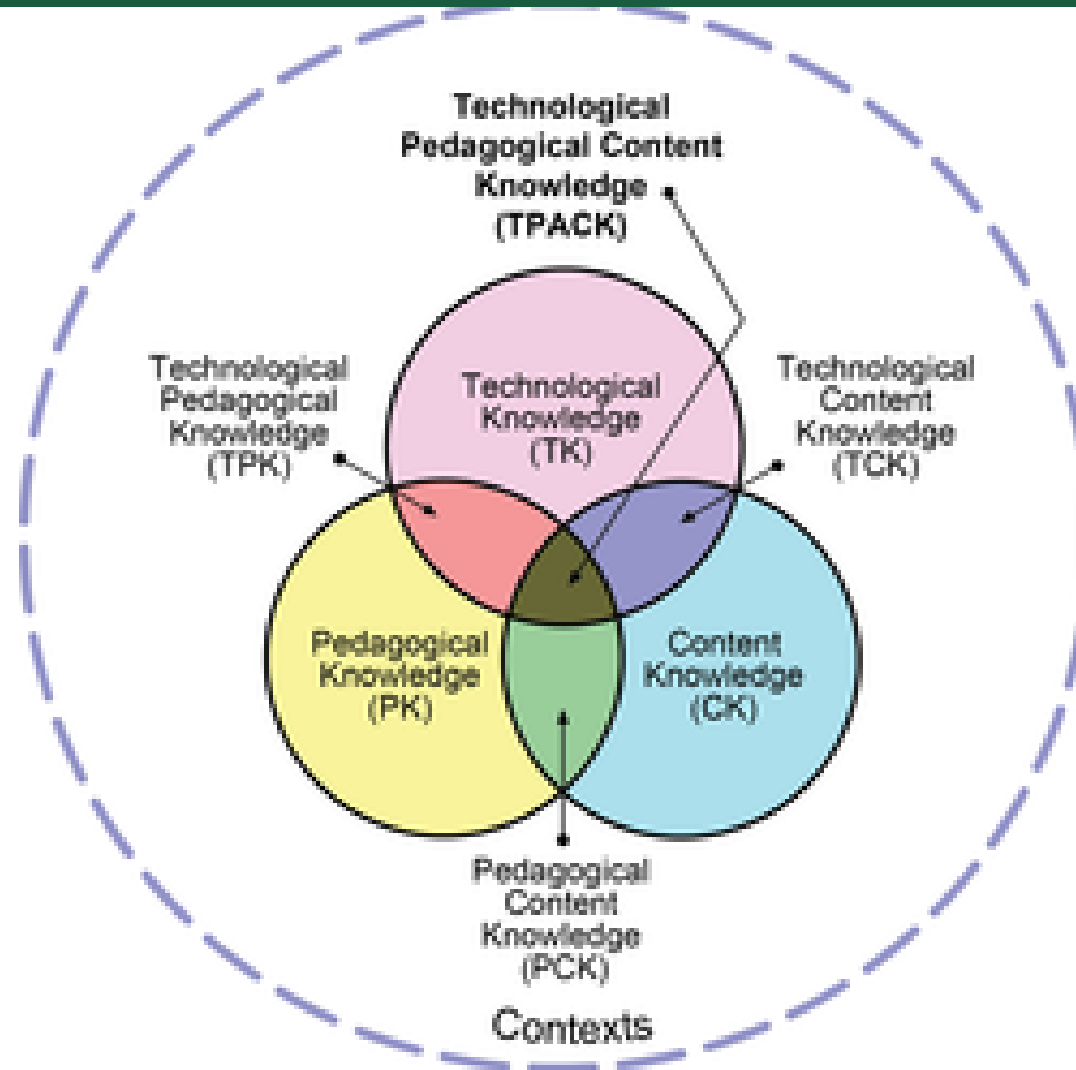
REMEMBER: A learning objective is a statement of: 1) what the learner is to learn; 2) what the learner will be able to do as a result of the learning process; 3) the end result of the learning process.

Let's Share

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TPACK Model

Mishra, M., Gorakhnath, I., Lata, P., Rani, R., & Chopra, P. (2022). Integration of technological pedagogical content knowledge (TPACK) in classrooms through a teacher's lens. International Journal of Health Sciences, 6(S3), 12505–12512.

Reflection Worksheet

Reflection