

What does it look like to use technology for educative purposes?

Create 3-4 statements per group for each of the following two prompts together on the appropriate list below. We'll post this list on our blog to help us (and our audience) think about the logic of choosing technologies for our classrooms.

Here's what it looks like to use technology for a disciplinary purpose:

- When (biologists) _____, they use _____ in order to _____
- When writers conduct interviews, they use audio recording equipment in order to ensure accurate representation of the subject.
- When Mathematicians develop mathematical models, they use computer graphing software and differential equation solvers in order to develop models to fit observations and test perturbations.
-
- etc.
- When Historians research their subject, they use databases in order to collect and verify sources.

Adam/ Dan M / Mike/ Dan F

a.

- When historians research, they use archival databases in order to analyze patterns in historical documents.
- When social scientist's want to look for patterns in data, they use graphs or maps in order to predict future patterns.
- When geographers create maps, they use geographical information mapping tools in order to present illustrative representations.

b.

- When students are learning how to map their neighborhoods, the GIS can help them compare various data.
- When students are learning how to synthesize, the timeline software helps them see causal relationships.
- When students are learning how to research, the public databases can help them uncover pertinent information.

Team Brie/Lisa/Kelly/Jess

Here's what it looks like to use technology for a disciplinary purpose:

When writers write, they use word processing in order to draft, edit, and revise their work.

When historians research, they use digital archives in order to gather evidence.

When scientists share their findings, they use peer-reviewed publications in order to

demonstrate that data is scientifically valid.

When thespians construct a scene, they use projectors to establish a setting.

Here's what it looks like to use technology in a way that supports learning:

When students are learning how to write, concept mapping software can help them organize their ideas.

When students are learning how to conduct oral history research, video or audio recorders can help them record data and stories.

When students are learning how to analyze scientific data, statistical analysis software can help them determine if results are significant or not.

When students are learning how incorporate tone into scene work LED lights or light filters can help illustrate different moods that can be expressed on stage.

Team Josie, Amanda, Claudia (JAC)

Here's what it looks like to use technology for a disciplinary purpose:

Disciplinary purpose of technology:

- When a writer writes, they use a word processor to type their ideas/stories/thoughts.
- When a reader reads, they use a light so they can see the words!
- When a speaker speaks, they use a microphone to project their voice.
- When a listener listens to a audiobook, they use headphones to hear the words.
- When a translator translates, they use digital dictionary to be faithful to the text they are translating.
- When a historian does research, they use online databases to find articles and journals.
- When a historian does research of a newspaper that was never digitized, they look up microfiche at the library.
- When a writer wants to share their ideas or stories, they create podcasts, blogs, and websites.

Learning purpose of technology:

- When students are learning how to use cite text, Zotero can help them to create an accurate bibliography.
- When students are learning how to use textual evidence, they can use Purdue Owl to help format it properly.
- When students are learning how to edit digital photographs, they can use Pixlr or Picasa to edit their photos.
- When students are learning how to present their ideas to their classmates, they can use a class blog to share their work.
- When students are learning how to give peer feedback, they can use commenting on blog posts or google docs to exchange/extend/challenge each other's ideas.

Team Tori, Kat and Justine

Disciplinary purpose of technology

- When students are learning to observe, the microscope can help them to look at small details.
- When a historian researches a place in time, they use historical weaving in order to understand the people and community.
- When a student is learning about global warming, the internet can get them a variety of different viewpoints that students must learn to evaluate for factual evidence.
- When a scientist eats mcdonalds, they puke and shit their pants and throw up all over their children and it makes their children throw up over everyone else. The entire mcdonalds is now throwing up over each other.
- When a musician hears a song, they might try to determine the key that the music is in by looking at the sheet music
- When environmental scientists create climate models, they use simulations based on a multitude of mathematical equations in order to predict future outputs from present inputs.
- When students are learning how to research, google scholar can help them to find relevant information and die of laughter

Here's what it looks like to use technology in a way that supports learning:

- when students are learning to evaluate a piece of work, the collaborative writing tool can help them to share ideas quickly and receive immediate peer feedback.
- When students are learning how to edit their work, they use Track Changes to help them to compare drafts and track their progress.
- When students are learning to find primary sources, search engines help them quickly sort out articles that will be helpful to their research.
- When students are reading as a class a smartboard helps them highlight and make notes or show examples for everyone to see.
- When students are creating a presentation project with various outcomes, computers help them create powerpoints, posters, videos, prezies, etc. to create a presentation