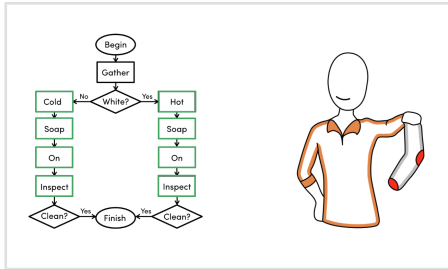


Lesson Plan

This lesson plan is designed to help you teach using a Common Craft video. Use the information below to introduce the video and then follow the video with discussion questions and other resources.



commoncraft.com/video/flowcharts

ISTE Standard:

Computational Thinker 5c

ACRL Info Literacy Frame:

Information Creation as a Process

Flowcharts

Explained by Common Craft

Completing almost any task involves a process. To better understand or improve that process it can help to visualize the steps with a flowchart. This video explains flowcharts and why they are used.

Learning Outcomes

- Describe the value of using a flowchart
- List examples of topics that could be presented as flowcharts
- Explain key features of a flowchart

Discussion Questions

Q #1

Think of a task you complete on a fairly regular basis. What would a flowchart chart look like for that task?

Q #2

Think of a process that is inefficient. How might a flowchart be used to improve the process?

Q #3

What types of processes would benefit from visualization as a flowchart?

Knowledge Check Q&A

Q

What is a flowchart?

A

It is a visual representation of the steps and decisions in a process.

Q

True or False. A flowchart cannot represent repetition in a process with new input.

A

False.

Q

True or False. A flowchart can show how complex systems are interconnected.

A

True.

Resources for Learning More

Web Resources (3-7)

ConceptDraw, Types of flowcharts

<https://www.conceptdraw.com/How-To-Guide/flowchart-types>

Digital Inspiration

Amit Agarwal, How to create flowcharts & diagrams in Google Docs, February 22, 2016

<https://www.labnol.org/internet/office/create-flowcharts-in-google-docs/8051/>

Microsoft

Create a flow chart--PowerPoint

<https://support.office.com/en-us/article/Video-Create-a-flow-chart-af4e3f4c-3854-486a-88ff-eb35692663dc>

ASQ

What is a process flowchart?

<http://asq.org/learn-about-quality/process-analysis-tools/overview/flowchart.html>

Institute for Healthcare Improvement

Robert Lloyd, Flowcharts (Part 1 and 2)

<http://www.ihi.org/education/IHIOpenSchool/resources/Pages/AudioandVideo/Whiteboard11.aspx>

ED Edraw

10 interesting flowchart examples for students

<https://www.edrawsoft.com/flowchart-examples-for-students.php>