

CS+Future Lesson Plan:

[Week 5 Lesson 4](#)

Note to Teachers: [Teach from the web page and use it as your lesson guide.](#) You do not have to be the expert in the room. You get to be the lead learner, modeling life-long learning for your students throughout these CS+Apps lessons! There is not a detailed script, because your goal is to talk as little as possible and to focus on facilitating CS Talk between students.

Prepare: Review Week 5 Lesson 4 web page, and make sure you have the [Week 5 Student Hyperdoc](#) available for students in Google Classroom.

Review Learning Goal with Students: *Today we will learn about how to create a data visualization.*

[ELD Supports for the Lessons](#)

WARM UP 1	This section is designed to encourage discussion among students; plan to facilitate pairs, groups, or whole class. Read the objective aloud at the top of the page ("Today we will...". Then, project and display the Warm Up. Open both the Slide: Data Visualization Anchor Chart slide (make a copy) and the Video: Data Visualization Anchor Chart. Project and play the video for the students or use for your own understanding. Now students will answer the prompting questions. They should use the sentence frames in their discussion *See the <i>ELD Support document for more information...</i>
Learn 2	Project Webpage Week 5 Lesson 2 and watch Learn about Data Visualization video with students. Engage students by asking them questions about the video after playing the video. (Students are not using computers during the Learn)
TURN & TALK 3	This section is designed to encourage discussion among students; plan to facilitate pairs. Project and display the TURN & TALK. Using the content from the video, have students ask and answer the prompting questions. Tell students to use the sentence frames in their discussion to follow up with their partner and keep the conversation going. Tell students to use the Slide: Data Visualization Anchor Chart as a guide for their discussion. *See the <i>ELD Support document for more information...</i>
UCSD DOES 4	Project and play the videos: Using a data visualization template. (Students are not using computers during the UCSD DOES).
WE DO 5	Project Webpage Week 5 Lesson 4 and review the You Do instructions with students. Have students ask any questions they may have about the You Do activity.
YOU DO 6	Have students work side-by-side with a partner. Ask them to open the Week 5 Student Hyperdoc from your Google classroom. Tell students to open the Worksheet: Data Visualziation provided in the student hyperdoc. Working in pairs, read the instructions from this section to the students and have them complete this task.

REFLECT & SHARE

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This section is designed to encourage discussion among students; plan to facilitate pairs, groups, or whole class. Project the **Reflect & Share** section and have students discuss what they learned about **Data Visualizations**. They may also be sharing their project and explaining their process. Tell students to use the sentence frames in their discussion. Students can reference the **Slide: Data Visualizations Anchor Chart** as a guide. **See the ELD Support document for more information...*