

How 3-D Printing Is Changing the World

Meet a teen whose classmates made him a 3-D printed hand

About the Story

Learning Objective: to analyze how writers use transitions, then practice using transitions in a paragraph

Featured Skill: grammar, usage, and mechanics

Standards:

The article and its suite of support materials support these Common Core anchor standards: L.1, L.2

For more standards information—including TEKS—go to Scope Online.



Your Teaching Package

Find your full suite of support materials at scope.scholastic.com.

Audio:

- Text-to-speech

Video:

- Dream It, Print It!

Activities to print, project, or share digitally:

- Great Transitions: Anchor Chart
- In-Magazine Activity: Interactive Version

Step-by-Step Lesson Plan

1. Prepare to Read (5 minutes)

Set a Purpose for Reading

- Direct students to the directions titled “Write Like a Pro” in the upper left-hand corner of page 30 or at the top of the digital story page. Read the directions aloud.

2. Read and Discuss (25 minutes)

- Have students read the article and the yellow circles with a partner.
- Optionally, before completing the Write Like a Pro Challenge, practice using transition words and phrases together using the task below:

Practice filling in the blanks in the paragraph below to build bridges between the ideas in each sentence. Choose from: *for example, however, in addition, unlike, similarly.*

Have you heard of manga? Manga is a style of Japanese comic books and graphic novels. The roots of this type of storytelling go back centuries. _____, it's only in recent years that manga's popularity has exploded in the United States. There are many characteristics that make manga different from, say, a Marvel comic book. _____, manga characters have large, expressive, glistening eyes. _____, manga pages are read from right to left, like traditional Japanese writing.

- Ask students what they notice about punctuation and transition words and phrases in the article. Guide them to observe the following.
 - Commas are placed after transition words and phrases that begin a sentence.
Example: “**First**, you send a digital design for the case to the printer.”
 - A pair of commas set off transition words and phrases in the middle of a sentence.
Example: “There’s no doubt, **though**, that 3-D printers have already begun to change lives in powerful ways.”
- For more practice with transition words and phrases, use our **Great Transitions: Anchor Chart**, located in your Resources tab.

3. Write (25 minutes)

- Project the **Great Transitions: Anchor Chart**. This chart is a list of common transition words and phrases categorized by the ways in which they are used: to add information, to show similarity between ideas, to show that one idea is different from another, to show that something is an example of what you just stated, to show cause and effect, or to add emphasis. Then have students work in pairs or independently to take the Write Like a Pro Challenge on page 31 of the printed magazine or at the bottom of the digital story page:

Compose a detailed note to a friend who is helping you plan a surprise birthday party. Your message should:

- ***Explain what tasks your friend needs to accomplish.***
 - ***Use transitions to help your friend understand the order in which these tasks should be done.***
 - ***Use a transition to emphasize any super-important information your friend needs to know.***
- Project students' notes on your whiteboard to share their party plans and the transitions they used.