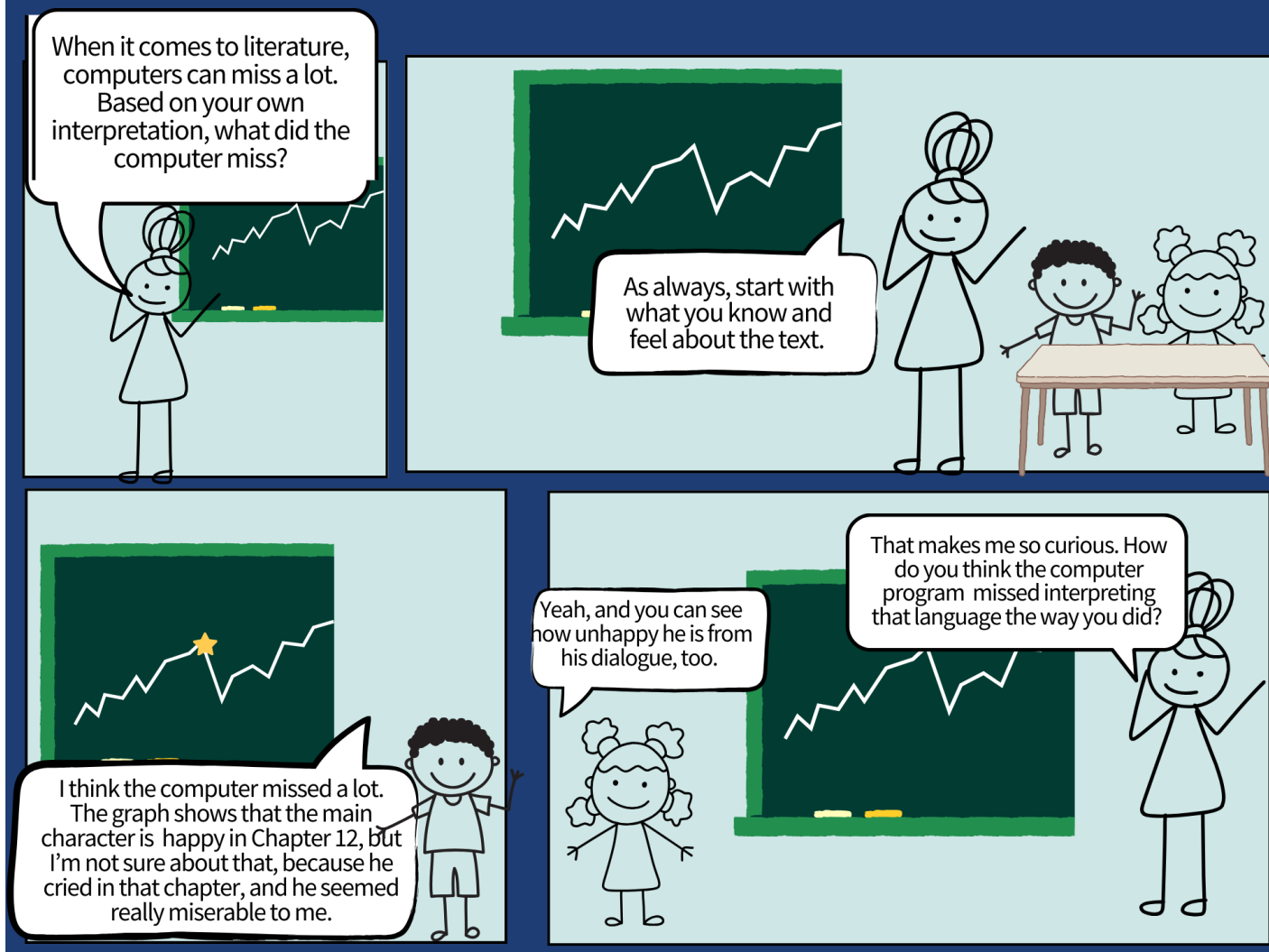


ROUTINE: WHAT DID THE COMPUTER MISS?



A routine for comparing students' textual interpretations to computer interpretations.

PURPOSE

What is this routine for?

Students can use this routine during or after reading to compare the computer's representation of a text to their own interpretation. They can use evidence from the text to make claims about the strength of the computer's representation and their own.

QUESTIONS & PROMPTS

What can I ask students?

- Based on your interpretation, what do you think the computer missed?
- Is the computer measuring the same thing we want to measure? (e.g. Does the computer’s “sentiment” capture the same thing as a human reader’s “sentiment”?)
- What are the possible errors a computer might make while trying to represent X?
- Let’s challenge the computer- can you find a place in the text that contradicts what we see on the graph?
- What do we know about how a computer produces this?

APPLICATION

What types of data visualizations does this routine support?

This routine supports any visualization where there is a calculated value like mood, emotion, conflict. It is not meant for visualizations that show word frequencies.

This routine works well when paired with the Notice, Mean, Wonder routine: You can use it to help prompt students into noticing where their interpretation does not match the computer-produced data.