

TABLE 1

Demographic breakdown in percentages of the 123 biology students (percentages may not add to 100 due to rounding).

LATINX/ HISPANIC	BLACK	ASIAN/PACIFIC ISLANDER	AMERICAN INDIAN	WHITE	OTHER/DECLINE TO STATE
58	28	4	2	1	6
MALE	FEMALE	FREE AND REDUCED LUNCH			
42	57	73			

TABLE 2

Social Justice Standards (SJS) addressed in these three lessons (Teaching Tolerance 2020).

NUMBER	DOMAIN	STANDARD
1	Identity	Students will develop positive social identities based on their membership in multiple groups in society.
10	Diversity	Students will examine diversity in social, cultural, political, and historical contexts rather than in ways that are superficial or oversimplified.
11	Justice	Students will recognize stereotypes and relate to people as individuals rather than representatives of groups.
13	Justice	Students will analyze the harmful impact of bias and injustice on the world, historically and today.

TABLE 3

Modified text rendering protocol for online learning.

MODEL	Teacher reads the first paragraph aloud and models a think-aloud to identify a sentence, phrase, and word.
READ	Teacher puts a digital timer on the screen. Students have the option to listen to the teacher read the text aloud or to turn off the sound and read the text silently.
IDENTIFY KEY IDEAS	Students select one sentence, one phrase, and one word that they find meaningful from the reading. Students type this into their digital notebooks.
SMALL GROUPS	Students copy their selections onto a Google Jamboard in small breakout groups. Each student shares out loud or in the chat function of Zoom. They explain what they selected and why.
WHOLE GROUP	Teacher facilitates whole-group discussion, summarizing trends in responses and how their responses help the class make meaning of the text.

Original full protocol can be found at https://www.nsrharmony.org/wp-content/uploads/2017/10/TextRendering-N_0.pdf