

TABLE 1**Code system.**

Code	Description	Student example
Interest in science	Did the student explicitly or implicitly discuss their interest in science or certain scientific topics?	"I was interested in this article because it relates to something I think about frequently." —Rian, S2
Aversion to science	Did the student explicitly or implicitly discuss their dislike or distaste toward science or certain scientific concepts?	"I think maybe because this isn't my field of interest, and science isn't my favorite subject." —Raul, R1
Enhanced understanding	Did the student explicitly or implicitly discuss how their understanding of science grew? Did the student describe a concept in their own words?	"I now understand how to think scientifically and what the researchers were trying to learn from these children." —Jean, S1
Biology relevance	Did the student explicitly or implicitly discuss the relevance of the topic to biological concepts as a whole?	"Biology is relevant outside the classroom by helping me [see] the scientific components of food and how they affect the body." —Kai, S2
Application to personal life	Did the student explicitly or implicitly discuss how this article or course related to their own life?	"Using discussed topics from class, my life will be helped in all my yet-to-come endeavors." —Jasmine, R1

Note. R1 = first reflection paper; S1= Science in the News Article Review 1; S2 = Science in the News Article Review 2.