

Learning through transdisciplinary themes

Grade 5

Grade 5 Science & VA

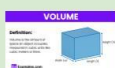
Summative: 21 Days of Hatching Storybook

Students created a storybook showing the 21 days of chick development. This allowed them to express scientific understanding through both writing and visuals, supporting different learning styles.



We visited a real chicken farm and invited the farm owners to answer students' inquiry questions about raising chickens.

Grade 5 Math



Summative Volume Project: 3D Chicken Coop Design

Students designed a 3D chicken coop to apply their understanding of volume and 3D space. This task supported UDL by combining real-world problem-solving, visual design, and hands-on application.

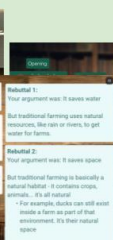
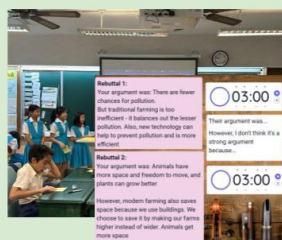
- 5.MD.C.3** Recognize volume as an attribute of solid figures and understand concepts of volume measurement.
- 5.MD.C.4** Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.
- 5.MD.C.5** Relate volume to the operations of multiplication and addition.



Grade 5 English & Social Studies

Summative: Debate on Chicken-Raising Practices

Students debated questions about chicken-raising practices, using research, reasoning, and discussion skills. This task supported UDL by giving students an interactive and verbal way to demonstrate understanding.



Speaker 1: Connor
Argument: People should buy the cheapest eggs in the supermarket because it is more cost effective for the amount of nutrients provided and also that they are more affordable for cake baking.

Evidence 1: A report from the CBC claimed that the cheapest eggs in the market still supply the same amount of protein as the more expensive eggs in the market.

Evidence 2: The same article from the CBC stated that conventional eggs have a higher amount of vitamins. Vitamins are essential for humans as they increase healing speed and the bodies immunity to bacteria and viruses.

Evidence 3: An article from quora says that cheaper eggs are better for baking because on birthdays using cheaper eggs can reduce cost.

Claim: Free range eggs are better.

Speaker 1: Cleo
Argument: free range eggs are better, because the chickens can run, and they will be happier, and their eggs will be yummiest.

Evidence 1: an investigation in Singapore said that 83% of the people like free range eggs more than non-free range eggs. 67% of people from Malaysia think the same way too.

Evidence 2: According to an owner of a chicken egg store, people think that free range eggs taste better than non-free range eggs, so they buy them more often, and the boss can make more money!

Evidence 3: Another evidence is that non-free range chicken farms will keep two chickens in a A4 paper size cage, and the chickens won't be happy, so they won't have tasty eggs because of their frustration while they are

Even with a unit that is focused on science content, students learn other subjects such as math, language, social studies, and visual arts alongside the main content. Learning is intentionally integrated across disciplines so that students experience knowledge as interconnected rather than separate. This helps students make authentic and relevant connections to real-life situations.