

LMSA Dance Infusion Lesson Plan

Teacher Names: Mary Beth Caldwell (Classroom) and Katie Pinkard (Dance)

Subject: Science Infusion

Grade: 3rd

Lesson Objectives:

Use energy qualities to represent how molecules move in changing states of matter.

Academic Standard:

P.3.5- Students will demonstrate an understanding of the physical properties of matter to explain why matter can change states between a solid, liquid, or gas dependent upon and addition or removal of heat.

Dance Standard:

DA: Cn10.1.3- Synthesize and relate knowledge and personal experiences to create art.

Lesson:

1. The students will review states of matter with the classroom teacher.
2. The students will then do a review of three energy qualities that will be used during the activity - vibratory, smooth, and indirect.
3. Then the students will use what they know about how molecules move in each state of matter and see which energy quality fits the best with it.
4. The students will then use the movement qualities to explore each way that molecules move and show changes in state using movement qualities.
5. After showing each state of matter, then students will combine two 8-count dances to create the "phase change" dances that show evaporation, condensation, freezing, and melting.
6. The students will send in a flipgrid video of them performing each quality as a state of matter.

VOCABULARY	MATERIALS
States of Matter Energy Qualities Movement Qualities Solid Liquid Gas Vibratory Smooth Indirect	Canva powerpoint