

# SPOTLIGHT ON STEAM

THIS SESSION WILL EXPLORE PERFORMING ARTS STRATEGIES THAT CAN BE USED IN YOUR STEAM CLASSROOM. IN THIS INTERACTIVE VIRTUAL SESSION, PARTICIPANTS WILL EXPERIENCE VARIOUS MUSIC, DRAMA, AND MOVEMENT STRATEGIES THAT CAN BE USED TO STEAM-IFY YOUR INSTRUCTION AND ENGAGE YOUR STUDENTS. COME READY TO UNLOCK YOUR CREATIVITY THROUGH SONG AND MOVEMENT!

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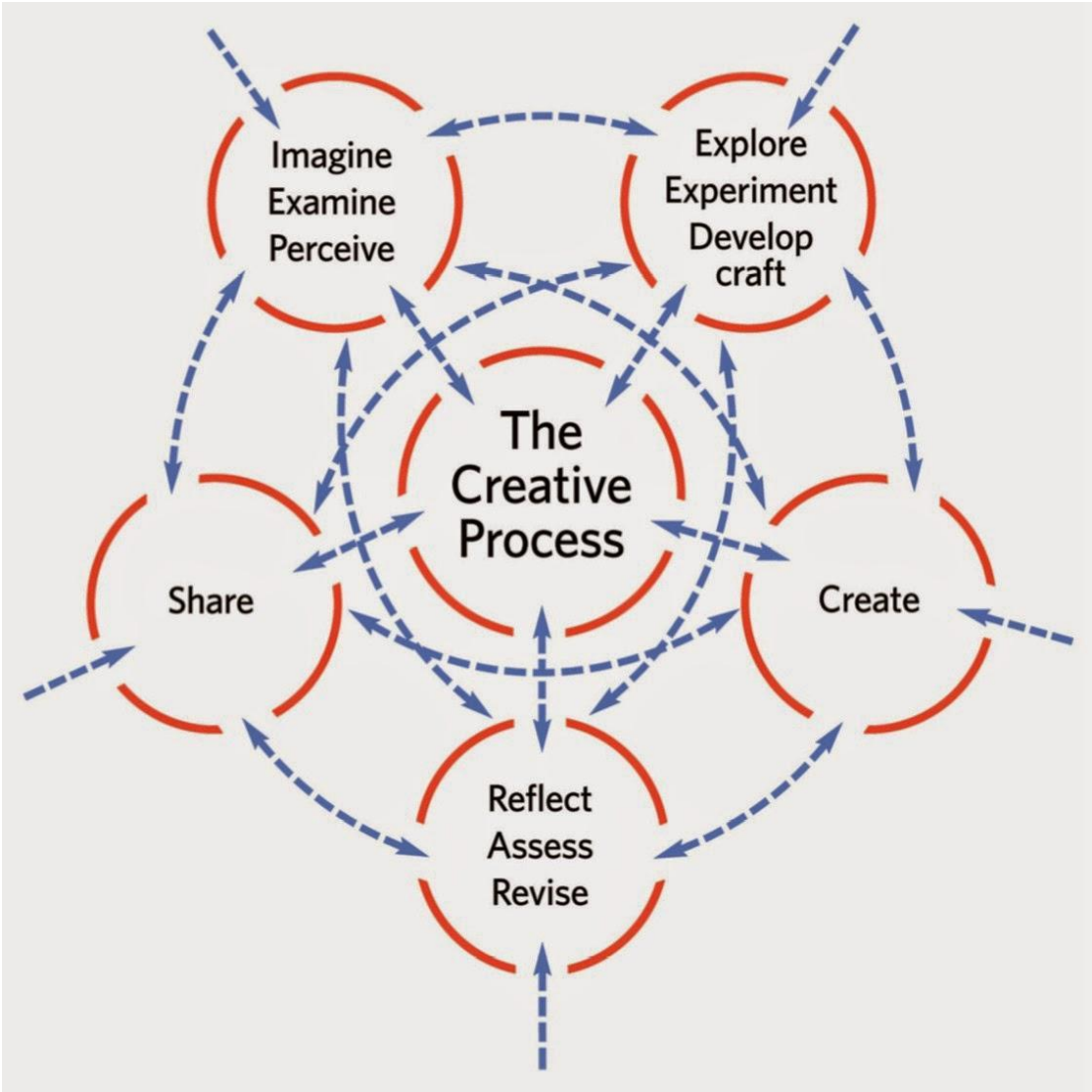


*“WE SEEM TO FORGET THAT INNOVATION DOESN'T  
JUST COME FROM EQUATIONS OR NEW KINDS OF  
CHEMICALS, IT COMES FROM A HUMAN PLACE.  
INNOVATION IN THE SCIENCES IS ALWAYS LINKED IN  
SOME WAY, EITHER DIRECTLY OR INDIRECTLY, TO A  
HUMAN EXPERIENCE.”*

*-JOHN MAEDA*

Arts Integration is  
an **APPROACH** to **TEACHING**  
in which students construct and demonstrate  
**UNDERSTANDING**  
through an **ART FORM**.

Students engage in a  
**CREATIVE PROCESS** which  
**CONNECTS** an art form and another subject area  
and meets **EVOLVING OBJECTIVES** in both.



**What is true STEAM learning?**

1) Arts standards and vocabulary are integrated into STEM instruction

2) Arts modalities are used to interpret, present and share STEM work

3) The Arts are a valid assessment tool for STEM learning

**Arts as  
Curriculum**

**Arts-Enhanced  
Curriculum**

**Arts-Integrated  
Curriculum**



# *Let's practice!*

**Arts Enhancement** is where the **arts** are simply supporting the content area but are not being assessed



**Arts Integration** is where both the **art** and the content area have evolving learning objectives and the arts are used to assess.

Can you identify the difference?

**Arts-Enhancement vs. Arts- Integration**

# TABLEAU: A FROZEN PICTURE





[HTTPS://ARTSNOWLEARNING.ORG/RESOURCES/VIDEO-STRATEGIES/](https://artsnowlearning.org/resources/video-strategies/)



# PRINCIPLES OF TABLEAU

Create levels with your body (high, medium, low)

Use Facial Expression (show the character's feeling)

Make sure your audience can see you

Consider the character's relationships with one another

To cue students to make a tableau,

use **"3-2-1-FREEZE!"**

## THOUGHT TRACKING

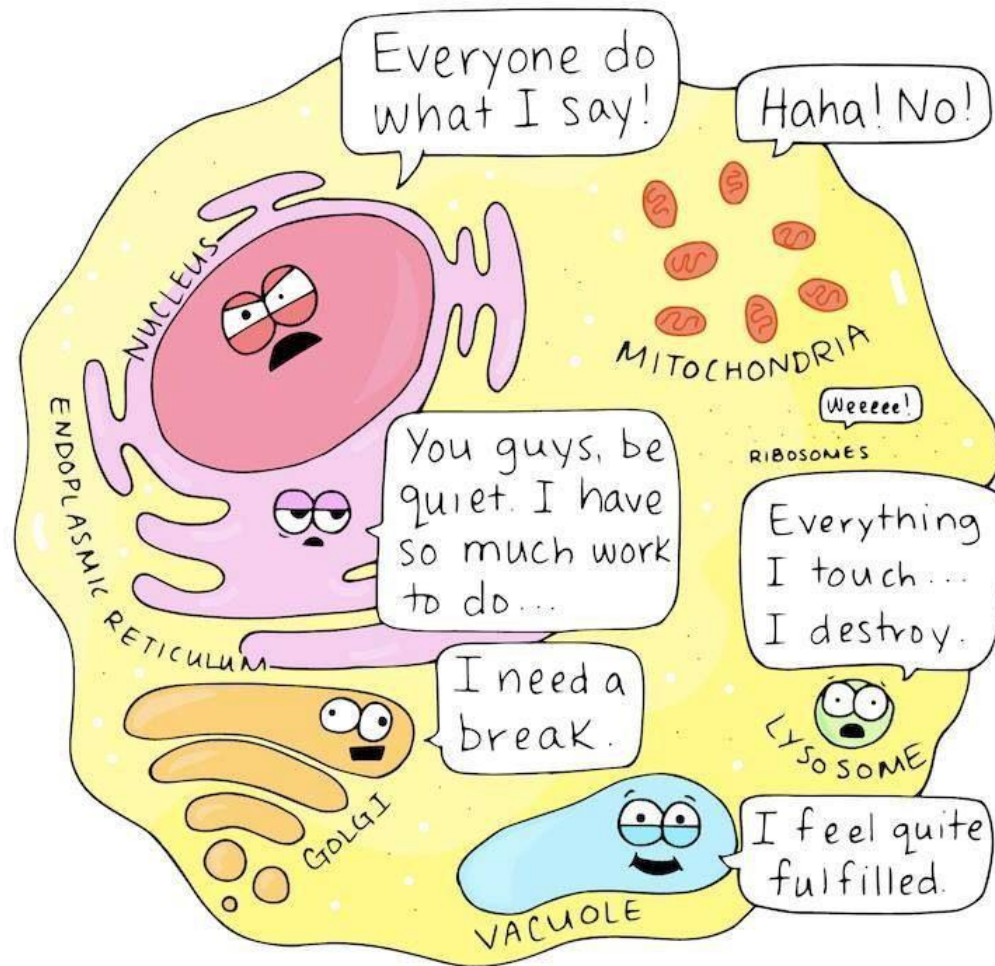
When students are in a frozen tableau, direct them to say one word or one short statement about how their character feels when you tap them. You may also prompt them to say character dialogue that they wrote or improvised.

## SOUND SCAPING

When students create a soundtrack that underscores a particular setting, story or concept. This can be done with found sounds, instruments or even with integrating technology (sound effects, GarageBand etc)

**“FACEBOOK PHOTO  
ALBUM”  
MY TRIP THROUGH  
THE WATER CYCLE**





If organelles could talk.

Beatrice the Biologist

## WRITING-IN-ROLE

When students assume a role of a particular character in a story and write in first person as if they were the character. You may prompt the writing by pausing while reading a text and saying “Express in a journal entry how the character feels after this event that just occurred”.

## TOWN HALL MEETING

When the class assumes roles of characters in a situation and then debate an issue in a town hall meeting model. Contrasting characters with different point of views are placed on a panel to discuss publicly. The remaining students become “reporters” who question the characters on the panel. The teacher also assumes a role to help moderate the discussion.



## OSTINATO

A short melody or rhythm that is repeated by the same voice or instrument during a musical composition. A **chorus** repeated five times over the course of a song is an example of an **ostinato**.

A microscopic view of numerous red blood cells, appearing as bright red, biconcave discs, scattered across the frame. The cells are in various stages of focus, with some in sharp detail and others blurred in the background.











## EXAMPLE

Every living thing has a cell  
If you don't know, then let me tell  
Two types of cells, they are chaotic  
Eukaryote and Prokaryotic

### **Must include:**



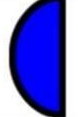







- *4 Lines*
- *8 syllables per line*
- *Rhyming couplets*

## Notes and Rests

| NOTE  | TYPE      | REST  | BEATS   |
|---|-----------|---|---------|
|  | Whole     |  | 4 Beats |
|  | Half      |  | 2 Beats |
|  | Quarter   |  | 1 Beat  |
|  | Eighth    |  | ½ Beat  |
|  | Sixteenth |  | ¼ Beat  |

Click on image to download

## MUSICAL FRACTIONS

|   |           |   |
|---|-----------|---|
|    | Whole     |    |
|    | Half      |    |
|   | Quarter   |   |
|  | Eighth    |  |
|  | Sixteenth |  |

# STAY IN TOUCH ON YOUR STEAM JOURNEY



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