Teacher Guide

The Dancing Scientist

Objective: Students learn the physical properties of matter.

Time for Lesson → **45 minutes**
Standard → **Classify matter by physical properties (solid, liquid, and gas)**
Art integration → **Music – Move to music using gross and fine locomotor and non-locomotor Movement**
Supplies → **Worksheet & Pencil**
Video → **www.takethestage.tv**

→ Students can dance from a seated position.

PREPARATION:

- Preview video. *(video is 8 minutes)*
- Print a worksheet for each student from www.takethestage.tv.
- Test playback of video on smartboard or monitor before lesson.

INTRODUCTION:

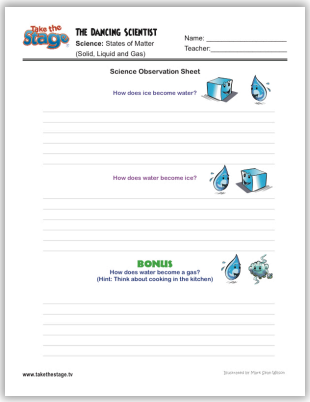
1) Explain to students that they will learning about the states of matter through a song and dance by the famous Gregory Brothers.
2) Have student locate a space in the classroom for them to dance when the activity begins.
3) Pass out worksheet to class and instruct students to take out a pencil to use later.

ACTIVITY:

1) Once each student has the worksheet and is seated, **PRESS PLAY**.
2) When video instructs students to **STAND UP** after the *Water is Wet* song is played the first time, invite students to sing and dance along with the video. It is highly encouraged for the teacher to sing and dance.
3) When video says **PRESS PAUSE**, pause video for students to **complete their scientific worksheet.**
4) After all students have completed the worksheet, **UNPAUSE**, and complete watching video.

REVIEW:

1) Ask students to give their answers from the scientific worksheet.
2) Ask students to give other examples of how water changes states of matter.
3) Ask students if and how singing and dancing to *Water is Wet* helped them learn how water changes states of matter.


THE DANCING SCIENTIST
Science: States of Matter (Solid, Liquid and Gas)
Name:
Teacher:
Science Observation Sheet
How does ice become water?
How does water become ice?
BONUS
How does water become a gas? (Hint: Think about cooking in the kitchen)
www.takethestage.tv