

Lesson Plan Title

Genetics Song

Grade Level

8th

Subject Area

Science

MSCCRS

L.8.2A.4- Engage in discussion using models and evidence to explain that sexual reproduction produces offspring that have a new combination of genetic information different from either parent.

Art Form

Music

MSCCR Creative Arts Standards

MU: Cr2.1.8a- select, organize, and document personal musical ideas for arrangements, songs, and compositions within expanded forms that demonstrate tension and release, unity and variety, balance, and convey expressive intent.

Duration

30 minutes

Materials

Body

Objectives

TLs explain how sexual reproduction produces an offspring that is different from the parent.
TLs create a rhythmic beat to show how an offspring is different from the parent.

Vocabulary

Rhythm

Beat

Sexual Reproduction

Offspring

Lesson Description

1. TTW explain that we will be introducing the topic of Meiosis, which deals with sexual reproduction. TTW explain that when examining sexual reproduction, you produce an offspring that has half the genetic information of each parent.
2. TTW explain that half of the DNA comes from the mom and half from the dad, and it comes together to create a baby.
3. TTW explain that we will complete a mini activity to display this unity. TTW explain that songs do the same thing. They have pieces from different instruments and/or voices to create a whole song.
4. TTW then play a video from YouTube that will help them to understand percussion and different rhythms that they can create.
5. TTW display the elements of music handout on the board. TTW explain that we will only be looking at the rhythm part of the handout. TTW go through the handout.
6. TTW explain that the class will be divided into two big groups. Each group will have to create a different rhythm. TTW explain that they can use any part of their body to make the rhythm as a whole.
7. TTW give the groups about 10 minutes to come up with the rhythm. TTW then have each group perform their rhythm separately. Then once each group performs, we will perform them together to create a whole different rhythm.
8. During this time, TTW play a drum backing track to keep the students steady on their work.
9. TTW explain that each group represents the mom and dad, but when they come together, they represent the newly formed organism.

Recommended Resources

The Elements of Music -

<https://wmich.edu/mus-gened/mus150/Ch1-elements.pdf>

Drum Backing Track Video-

<https://www.youtube.com/watch?v=9U3RG0JU4Ds>

Body percussion and rhythms Video-

<https://www.youtube.com/watch?v=Mnt6O8N6eDg&list=PLAxqr2I3rLNP1Kcmos2LUxbCSpTb0cOYQ>

Extended Learning Activities

N/A

Sources

N/A

Tips

N/A

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