

Lesson Plan: Creative Cells

Area: Biology

Age Group: 4th-5th Grade

Supplies Needed:

- Pretzel sticks
- Gummy worms
- Nerds Gumballs
- Twizzler
- Nerds
- Jelly Beans
- Marshmallow Cream
- Knives
- Paper plates

Introduction:

- What is the cell? Where can you find the cell?
- Show a large model of the cell to the students
- Tell students that we will make a food model of the cell!

Demonstration:

- Have students follow along with you as you build the cell
- Using 4 pretzel sticks and the marshmallow cream, make a rectangle on the paper plate: this is the cell wall of the plant cell
- Place a Nerds Gumball in the center: the nucleus
- Place some pieces of twizzler around the gumball: the endoplasmic reticulum
- Next, add some gummy worms: golgi bodies
- Finally, add some jelly beans: mitochondria
- The candy cell is complete!
- As you add each type of candy, explain what it represents and what it does in the cell

Directions:

- Provide each student with a plate and some of each type of candy
- Ask the students to follow along with you
- In the end, students can take their candy cell home, or eat it!

Follow-up:

- Summarize everything
- Interactive Quiz: ask students what each type of candy represented and what it does? For correct answers, award with leftover candy