

STEM Lesson Plan

Subject: Science
Grade Level: K-5th
Standards: NGSS: Next Generation Science Standards - Science International Technology and Engineering Educators Association - Technology
Lesson Title: Edible Slime
Goal: The goal of this lesson is to experience hands-on how polymers and Newtonian fluids bond together to become a non-Newtonian fluid.
Background/ Problem: What happens when you mix polymers (starch) and Newtonian fluids (water) when you mix them together with pudding?
Criteria: Create edible slime to observe ____ by mixing instant pudding mix and $\frac{1}{2}$ cup of cornstarch in a bowl. Add $\frac{1}{3}$ cup of warm water and stir until slime begins to form. Slowly add the rest of the cornstarch. When the slime is too thick to stir with a spoon, then knead the slime by hand.
Materials: <ul style="list-style-type: none">• $\frac{1}{4}$ cup of instant pudding mix (flavor of your choice)• $\frac{1}{3}$ cup of warm water• 1 cup of corn starch
STEM Target: Science