



WOMEN IN MINING – CALIFORNIA CHAPTER

Inspiring Mineral Education

Making Slime



Women in Mining (WIM) member Grace Angles, Carbon and Climate Engineer at Rio Tinto, created a slide deck to accompany the Slime activity titled 'The Science of Slime – And the History of US Borax'. To access the slide deck [click here](#) or contact WIM-CA at info@wimca.org.



Slime (also called silly putty and gloop) – This experiment teaches chemical reactions and how two different materials combine to make a certain type of chemical bond.

Per person ingredient list:

- Zip-lock bag
- 2 oz cup
- 2 oz Elmer's white glue
- 2 oz water
- 2 oz solution (1 ½ cups of Borax diluted in 1 gallon of water)
- Colorful creations: Customize with food colors and glitter!

Directions:

- Pour glue into 2 oz cup.
- Pour glue into zip-lock bag.
- Fill 2 oz cup with water and add to the glue in the bag.
- Let air out and seal bag.
- Mix the mixture by kneading with your hands through the bag.
- Open the bag to add food color and/or glitter and mix in well.
- Open the bag and pour in the Borax solution.
- Close the bag and knead the mixture until it feels rubbery, there is no liquid, and it pulls away from the sides of the bag.
- The slime can be poured out of the bag onto a non-porous surface (it will stick to clothes, carpet, and paper).

'Slime' is adapted from WIM Education Foundation's 'Silly Putty' activity. To access this activity and several others, visit www.womeninmining.org.

Attention teachers and community leaders! WIM-CA offers a variety of educational opportunities for students, teachers, and the community with a focus on STEM-based activities. WIM members can blend academics and exploration of jobs through learning activities hosted on-site at operations. Educators can request a hands-on or virtual classroom activity, to be presented by members of WIM-CA. Request a classroom event by emailing WIM-CA at info@wimca.org or contact us online at www.wimca.org.

