

FEMMES Capstone Fall 2020

Play-Doh Molecules

- Please review the powerpoint provided [here](#). The instructions are fairly simple!
- Introduce yourselves (year, general description of what you do)
- Have them introduce themselves
 - I'm not sure if their activity leaders are having them do an icebreaker, but I can update y'all about that after this first weekend
- The students have one small container of playdoh and 20 toothpicks.
 - Playdoh balls be atoms (they each only have one color, but it's the best we could do right now)
 - The toothpicks will be the bonds (electrons) between the atoms
 - Lone pairs can be depicted as just toothpicks with nothing attached to the other end
- Go through the powerpoint slowly (the whole thing should take most of the time)
 - Have them ask questions throughout the intro
- Once you get to slide 11 they can actually start building the molecules
- Slides 11-13 have structures they can build
 - During slides 11-13 you can pepper them with questions like...
 - How do you think you would make a triple bond with the playdoh and toothpicks
 - Do you think a double bond is stronger than a single bond? What about a triple bond?
 - Is CO₂ a gas?
 - Can you name other molecules that are a gas?
- Slide 14 is a creative build!
 - Have them ask any question they want and try your best to answer them
 - Also ask them questions about science if you want!