* Title
  + Candy rock cycle
* Objectives
  + Students will model the different stages of the rock cycle using candy
* Standards
  + 3.ESS.3 Observe the detailed characteristics of rocks and minerals. Identify and classify rocks as being composed of different combinations of minerals
  + 4.ESS.3 Describe how geological forces change the shape of the land suddenly and over time
* Vocabulary
  + Igneous
  + Sedimentary
  + Metamorphic
  + Rock cycle
  + Chemical
  + Physical
  + Mineral
* Materials
  + Enough for each student of
    - 1 plastic sandwich bag
    - 3 different color starburst candies (each student and teacher should have the same color combos)
* Introduction
  + Think about the different kinds of rocks you’ve seen. You’ve probably seen rocks of all different shapes, colors, and sizes. Did you know there are three types of rocks? There are many variations in those rock types. There are different colors, shapes and sizes of each type of rock. The three types of rock are igneous, sedimentary, and metamorphic and they are all made of minerals. Today we are going to be modeling the different types of rocks.
* Procedure
  + Pass out each student’s sandwich bag and starburst candies. Instruct students NOT to unwrap them until they’re told to do so.
  + Unwrap your 3 candies. These are your igneous rocks, formed from cooling magma, which is lava under the earth’s surface (intrusive). They can also be formed by magma that has escaped to the earth’s surface (extrusive). They have not been processed or broken up in any way.
  + Now take your candies and stack them on top of each other and squeeze them together as hard as you can. These are now your sedimentary rocks, formed when pressure forces rocks and mineral particles together. Sedimentary rocks often contain fossils. They have many visible layers and can sometimes be broken apart at those layers.
  + Now put your “sedimentary rock” into the sandwich bag and squeeze as much air out as you can before closing it. Now roll the candy in the bag back and forth between your hands. You’ll notice it getting softer and warmer. Once the candy has softened, try taking it out of the bag and rolling it into different shapes (or just a ball). This is now your metamorphic rock. They are formed from other rock types (both igneous and sedimentary) that are subjected to both heat and pressure.
* Closure
  + Have students recall the three types of rock and how they are formed. Now it’s time to eat!