



# Butterfly Design Challenge

**Background:** We have been studying and learning about the life cycle of a butterfly.














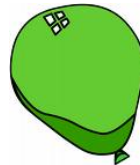
**Challenge:** Your task is to design and build a butterfly model that demonstrates the movement of a butterfly's wings.






**Criteria:** Your butterfly model must use a pneumatics mechanism that works 10 times. Its wingspan must not be wider than 12" and it should be neat and colorful.

## Materials:

-  syringe and tubes
-  water
-  fabric
-  paper
-  balloons
-  straws
-  glue
-  cardboard
-  dowels rods
-  paint
-  tape
-  rubber bands
-  pipe cleaners



## Tools:

-  ruler
-  scissors
-  markers or  
crayons

Related SOLs: Science 2.4a, 2.5 Animals in their Environment, Oral Language/Listening 2.1, 2.2, 2.3