

# Build Your Own DNA

It is an exciting time to be in this class! Today you get to build your own DNA molecule! This hands on experiment will give you a 3D look at the structure of DNA.

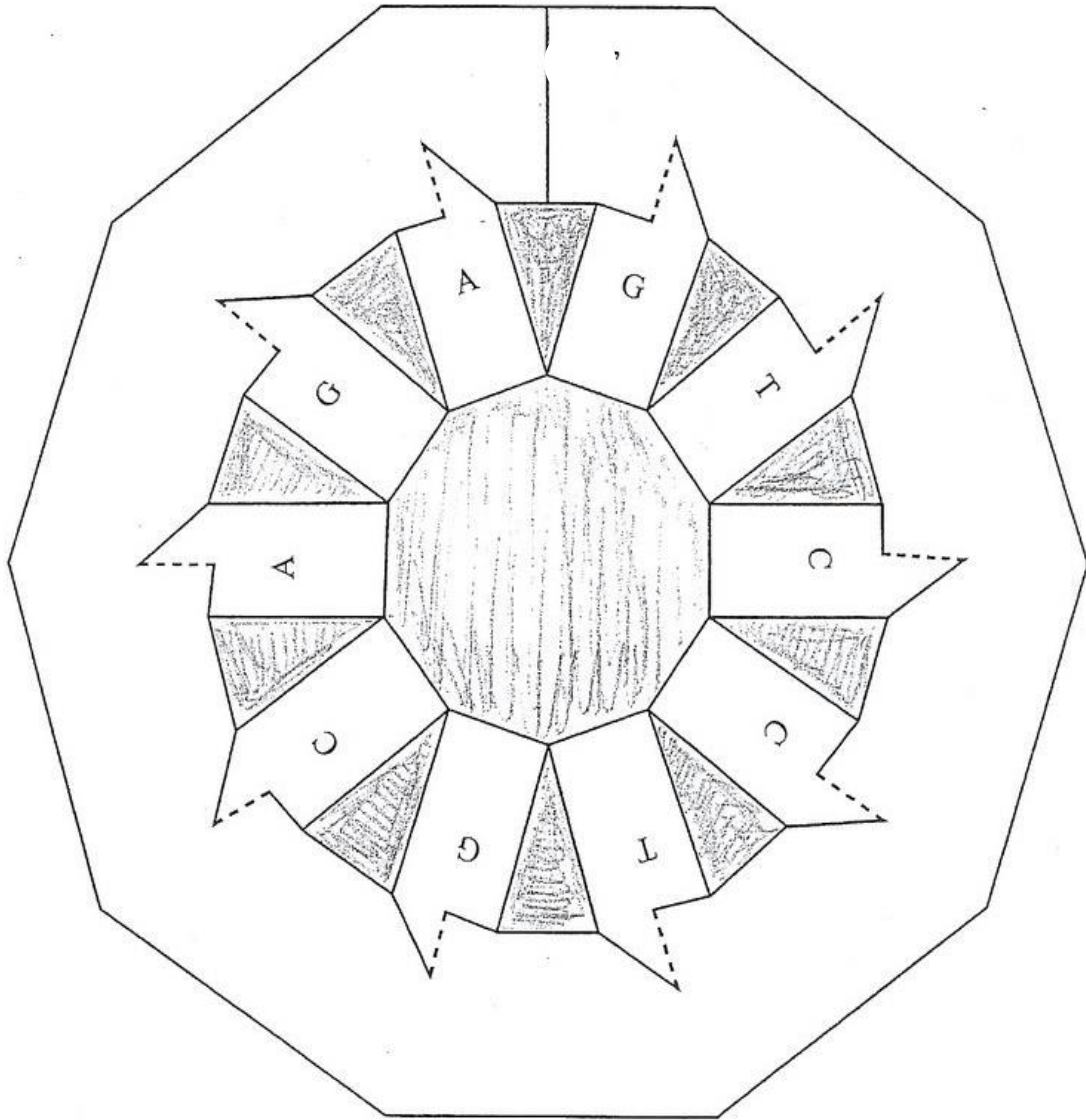
Just as each and every bit of your DNA is unique, you get to make your own unique DNA molecule. You can color each base pair your own unique color. You can also color your sugar and phosphate chain any color you wish.

**Make sure to cut along all of the solid lines. Also, make sure to color both sides.**

You are to turn in this rubric along with your DNA. Once it is graded, your rubric will be returned to you.

Topic	Requirements	Points Assigned	
Base Pairs	Each base pair is given its own unique and distinct color. Both sides are colored	3	
Sugar and Phosphate Chain	The phosphate chain is given its own unique color. Both sides are colored	3	
Construction	Clear tape or clear drying glue is used to hold the model together.	3	
Design	All of the base pairs are connected to the correct corresponding base pair	5	
Orientation	The model is correctly fashioned into a double helix.  The model is correctly positioned (both sugar chains are running the correct direction)	5	
Neatness	The DNA chain is handed in as a presentable project	5	
Total		24	

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

