

ROCKET ACADEMY WORKSHEET

This worksheet below is just for fun and for your own use and will not be turned in. Use it to help guide you through the Rocket Academy.

	SCOUT NAME:	
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Create and fly three different types of airplanes!

Record your findings and improve your design! Make new airplanes by altering the plane. Then how does the plane improve by creating a catapult for it?

Which airplane design do you think will fly the farthest? (circle one)

THE ARROW

THE BUZZ

THE STABLE

Why?

AIRPLANE Type	NO CATAPULT			CATAPULT		
	TRIAL 1	TRIAL 2	TRIAL 3	TRIAL 1	TRIAL 2	TRIAL 3

ROCKET ACADEMY: THE LAB

Build your own Straw Rocket! Use the printable worksheet in the Lab to guide you through this experiment.

Build and launch a chemical reaction rocket.

What happened when you added the alka-seltzer or baking soda to the liquid (water or vinegar)?

If you're attending Family Adventure Camp or a new Cub Scout, build your model rocket!

- All new Scouts in Buckeye Council receive a free model rocket when joining.
- All youth participants at Family Adventure Camp will receive a free model rocket.

Make sure to attend Family Adventure Camp to launch your rocket!



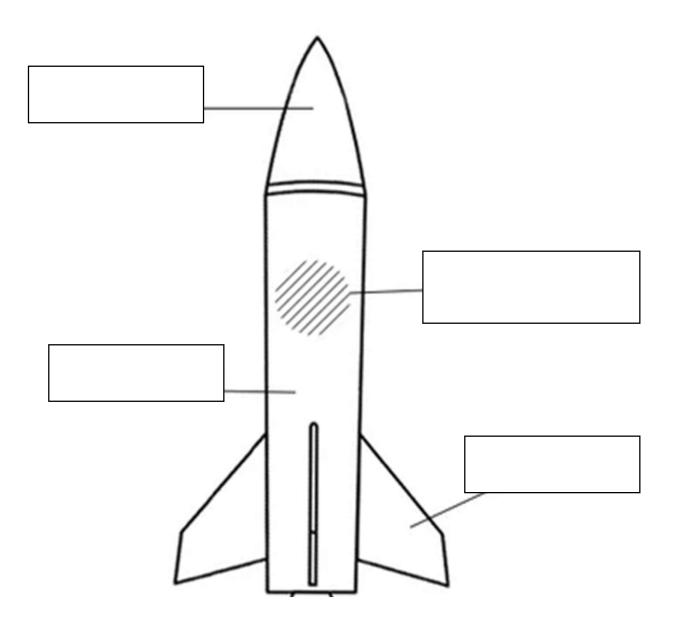
What do you think is the MOST interesting thing about space?

ROCKET ACADEMY: LAUNCH PAD





Color and label the parts of the rocket below.



ITEMS:

Body Nose Cone Shock Cord Fins

ROCKET ACADEMY: LAUNCH PAD



Fill in the blanks below for Newton's Three Laws of Motion.

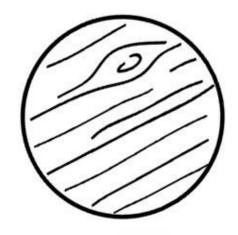
1.	An object	. An object at							
	rest stays o	at	•						
2 = Mass x Acceleration									
3.	. For every action there is an equal and opposite								
	KEY:	motion	reaction	force	rest				
			e stars do, tl an you see t	_					
		-	•						
5									

ROCKET ACADEMY: LAUNCH PAD

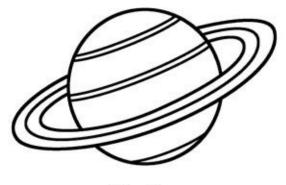




Color the planets below! Circle the ones you can see from Earth. HINT: Use the previous page to help you.



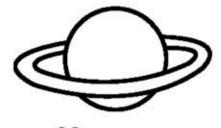
Jupiter



Saturn



Earth



Uranus



Venus



Mars

