



Joey Mob Program Planner

Attendance:

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Attendees / Total

Theme	The Wind	Meeting	Science Night	Date	
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Time	Activity	Leader	Equipment Required etc.
0.00	Opening parade:		Flag
0.05	Game – Blow the cloud		Cotton wool balls, straws
0.10	Experiment – Blowing in the wind		Cardboard String, petroleum jelly
0.20	Experiment – Windy Weather Catch		Hairdryer, foam ball, ping pong ball, feather, tissue, scarf, tissue paper ball
0.30	Songs – Wind Tricks, Windy		Words to songs written out
0.35	Experiment – Balloon Rotocopter		Balloon, string, sticky tape, cups made into rotocopters Hairdryers
0.50	Story – The North Wind and the Sun		story
0.55	Closing parade – and check cardboard hanging outside.		Flag, Prayer, notes

<u>General Comments</u>

Coming in activity: Make a pinwheel

Birthdays:

Next week:

Notes:

Blow the cloud

Using a cotton ball (cloud) and a straw have the joeys blow their "cloud" in a race for first past the finish line or see who can blow it the farthest.

Blowing in the Wind

Step 1: Get a piece of cardboard that is the size of a piece of notebook paper. Make a small hole on one end of the cardboard and tie a piece of string through the hole. Smear one side of the cardboard with petroleum jelly.

Step 2: Hang the cardboard from a tree using the string. Make sure the sticky side of the cardboard is facing the wind. Leave the cardboard in the wind till end of the night. Then go back and see what the wind has carried onto the cardboard. You may find seeds, insects, pollen, dust, or other tidbits of nature.

Windy Weather Catch: Use a hair dryer to blow a small scarf, tissue (Kleenex) or tissue paper ball up in the air. Let the children try to catch them as they float down. What other things will stay up in the wind? Try a foam ball, a ping pong ball or a feather. Tilt the hair dryer as well. How many of each will stay up in the stream of air at the same time?

Wind Tricks

The wind is full of tricks today	(make sweeping motion with one hand).
It blew my Daddy's hat away	(pretend to sweep hat off head).
It chased our paper down the street	(one hand chases other around).
It almost blew us off our feet	(jump up and down)!
It makes the trees and bushes dance	(raise arms and dance).
Just listen to it howl and prance	(cup hand to ear)!

Windy

Sung to the tune of Bingo

There was a day when we were blown
and windy was the weather
W-I-N-D-Y, W-I-N-D-Y, W-I-N-D-Y
and windy was the weather.

Substitute a clap for each of the letters in the next verses.

Rotocopter:

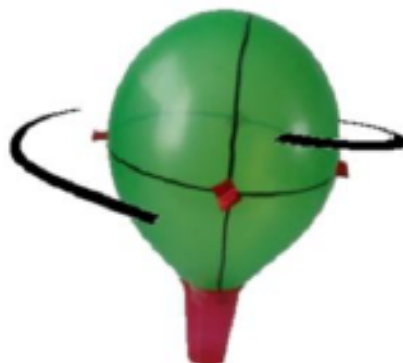
Prepare a few (2 - 4 -depending on size of your mob) rotocopters before meeting night. Let joeys have turns flying them and trying to land them on a table/chair/in a jar.

As per directions below found on the ABC site:

http://www.abc.net.au/science/surfingscientist/pdf/lesson_plan18.pdf

Make and fly your very own Balloon Rotocopter

In this activity, you will construct your very own Rotocopter. You will enjoy this activity more if you follow the instructions carefully, help each other and share materials. Be patient while waiting for your turn so everyone gets a turn. Remember to observe all your usual class safety guidelines.



Objectives

To construct a Balloon Rotocopter
To fly and land your Rotocopter
To investigate how a Rotocopter flies
To work cooperatively and safely

Making a Balloon Rotocopter

Materials required

1 Balloon
1 Plastic Cup

String
Scissors

Sticky Tape
Hair dryer (shared)

Procedure

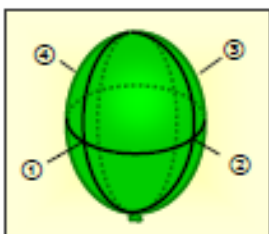


1. Inflate and tie a balloon.

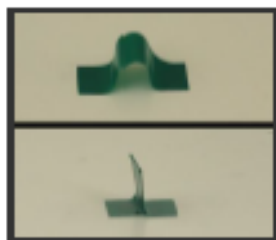
Wrap a length of string around the balloon to act as a guide. Use a permanent marker to draw a line around the balloon's circumference.



2. Use the string again or draw a freehand second line right around the balloon. This line should extend from the knot to the 'top' and back again. Draw a third line from the knot to the top and back which intersects the second one at right angles.



3. There should now be four intersections around the balloon's circumference as illustrated. These are the positions you will add sticky tape fins.



4. Prepare four fins.

Start with a piece of sticky tape about 4 centimetres long. Stick the ends to a smooth surface as illustrated. Pinching the tape as illustrated below in step 5 completes the fin.



5. Removing adhesive tape can cause balloons to burst!

Preparing the adhesive fins on a smooth surface first (eg table) prevents accidental bursts.

Note: coloured tape was used for the photos but clear Sellotape works just fine too.



6. Stick one fin on each of the four intersections around the balloon's circumference. Mount each fin at 45 degrees to the circumference as illustrated.

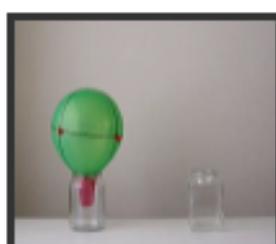
Note: the fin orientation in this photo makes a Rotocopter that will rotate best in the anti-clockwise direction



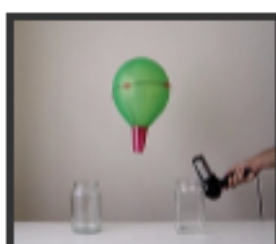
7. Your completed Rotocopter should look like this. All four fins should be oriented at the same 45 degree angle.

Your Rotocopter is ready to fly!

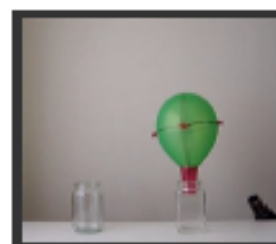
Flying your Rotocopter



Take off



Flight



Landing

1. **Take off**

Set your Rotocopter on a table or rest it in an empty jar.

2. **Flight**

Aim a hair dryer at the Rotocopter and switch it on.

Hold the hair dryer steady while in flight. Move slowly and the Rotocopter will move too.

Try holding the hair dryer at different angles. What effect does this have?

3. **Landing**

With practice, you can even land your Rotocopter back in a jar.

THE NORTH WIND AND THE SUN

Aesop's Fable



The North Wind boasted of great strength. The Sun argued that there was great power in gentleness.

"We shall have a contest," said the Sun.

Far below, a man travelled a winding road. He was wearing a warm winter coat.

"As a test of strength," said the Sun, "let us see which of us can take the coat off that man."

"It will be quite simple for me to force him to remove his coat," bragged the Wind.

The Wind blew so hard, the birds clung to the trees. The world was filled with dust and leaves. But the harder the wind blew, the tighter the shivering man clung to his coat.

Then, the Sun came out from behind a cloud. The sun warmed the air and the frosty ground. The man on the road unbuttoned his coat.

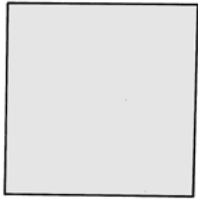
The Sun grew slowly brighter and brighter.
Soon the man felt so hot, he took off his coat and sat down in a shady spot.

"How did you do that?" said the Wind.

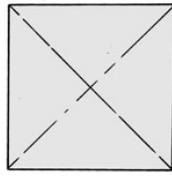
"It was easy," said the Sun. "I lit the day. Through gentleness I got my way."

Choose 3 joesy to act out being the man, wind and the sun as the leader reads the story.

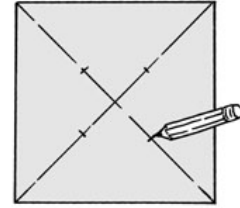
Pinwheels



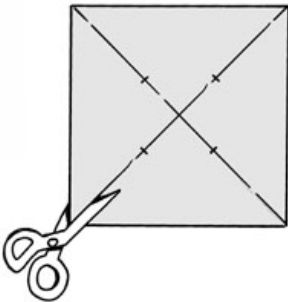
1. Begin with a square of paper.



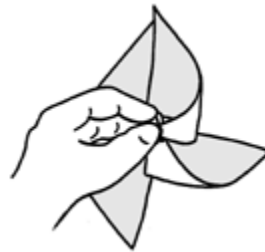
2. Fold your square, corner to corner, then unfold.



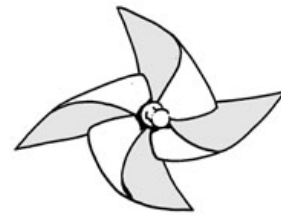
3. Make a pencil mark about 1/3 of the way from center.



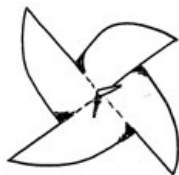
4. Cut along fold lines. Stop at your pencil mark.



5. Bring every other point into the center and stick a pin through all four points.



6. The head of the pin forms the hub of the pinwheel.



7. Turn your pinwheel over - make sure the pin pokes through in the exact centre.

8. Roll the pin around in little circles to enlarge the hole a little. This guarantees your pinwheel will spin freely



9. Stick the pin into a thin dowel.

Hint: Separate your pinwheel from the dowel with two or three beads. Stick the pin through the beads first, then into the dowel. *** You could put the pin into the side of a rubber on the end of a lead pencil.

