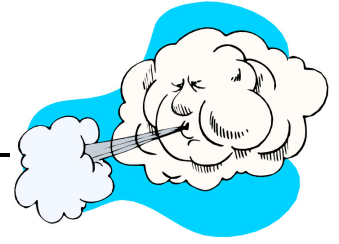




Blowing in the Wind



In our science unit on weather, we have been studying wind and how it affects weather changes across our country. We have learned how wind creates fronts, high and low pressure systems, hurricanes, and tornadoes. We have also studied the different types of instruments used to measure wind speed and direction, like anemometers, wind vanes, and wind socks. We're going to put our knowledge to use by creating a weather station outside our school.

Challenge:

Design and make a windsock that can detect wind direction and speed when placed in our weather station.

Criteria:

Your windsock must

- be weather proof.
- move freely around pole.
- stand up to winds of 10 mph.
- correctly identify wind direction when tested on five different days.
- maintain attractive colorful appearance for more than one week outside.



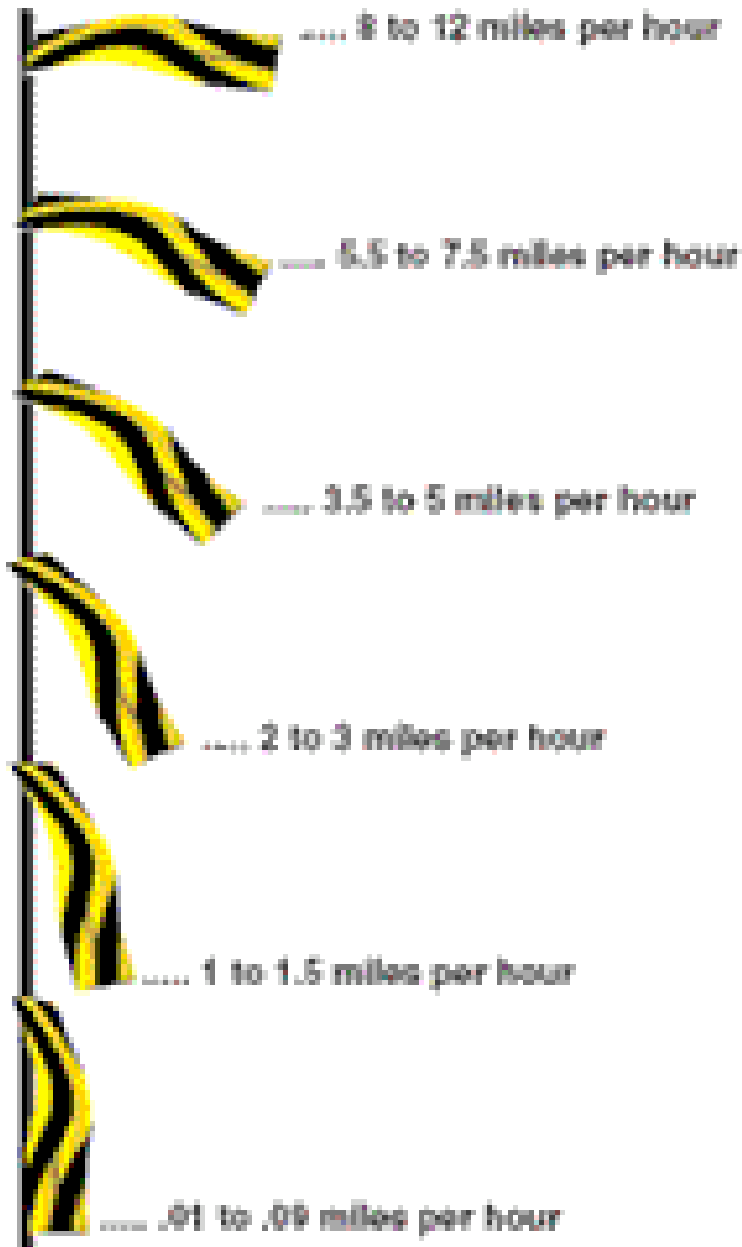
Materials: You may choose from the materials listed below.

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• construction paper• fabric scraps• trash bags• dry cleaner bags• bubble wrap• tissue paper• crepe paper• string | <ul style="list-style-type: none">• yarn• paper clips• pipe cleaners• wire bag ties• thread• glue• washers• 12 inches tape |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Tools:

- | | |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• hole punch• ruler• scissors• crayons | <ul style="list-style-type: none">• markers• pencil• colored pencils• sewing needles |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

**FLAG POSITION RELATIVE
TO APPROXIMATE WIND SPEED**



WIND DIRECTION & SAFETY SYSTEMS, INC.
WWW.WINDIRECTION.COM
1-800-707-3524