DIY WEATHER VANE

OBJECTIVE:

BUILD A HOMEMADE WEATHER VANE TO LEARN ABOUT THE WIND AND STUDY HOW IT BLOWS. HOW CAN WE KNOW WHICH WAY THE WIND IS COMING FROM? BY USING A WEATHER VANE! A WEATHER VANE IS AN INSTRUMENT THAT SHOWS FROM WHICH DIRECTION THE WIND IS BLOWING. USUALLY PLACED ATOP BUILDINGS AT THE HIGHEST POINT.

MATERIALS:

- PIN
- STRAW
- STAPLER
- PENCIL WITH ERASER
- TWO SMALL PIECES OF CARDSTOCK (APPROX 4 BY 4")

INSTRUCTIONS:

1. CUT ONE SQUARE AND ONE TRIANGLE FROM THE TWO PIECES OF CARDSTOCK
2. STAPLE THE SQUARE AND TRIANGLE CARDSTOCK TO OPPOSITE ENDS OF THE STRAW.
3. PLACE FINGER IN MIDDLE OF STRAW AS A FULCRUM, TO FIND THE BALANCE POINT.
4. ONCE FOUND, PUSH THE PIN THROUGH BALANCE CENTER.
5. INSERT PIN INTO PENCILS ERASER LEAVING ROOM BETWEEN PENCIL & TOP OF PIN; SO IT CAN SPIN.
6. LABELED CARDINAL DIRECTIONS ON A PAPER PLATE. (NORTH-N / SOUTH-S / EAST-E / WEST-W)
7. USE COMPASS TO CORRECTLY ORIENT PAPER PLATE.
8. STICK POINTED END OF THE PENCIL THROUGH THE PAPER PLATE AND INTO THE GROUND.
9. WATCH WIND BLOW THE WEATHER VANE ACCORDING TO WHAT DIRECTION THE WIND IS COMING FROM.