

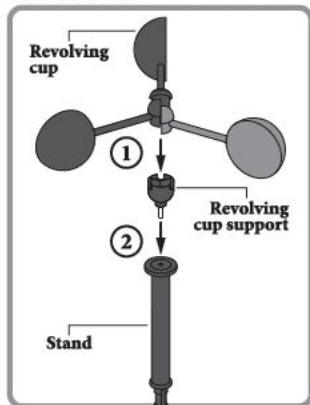
BUILD YOUR OWN ANEMOMETER



CONTENTS:

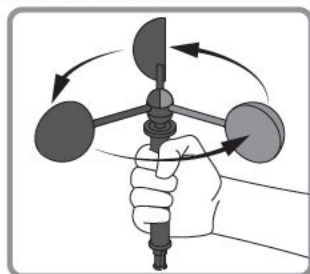
3 Revolving cup, 1 Revolving cup support, 1 stand, 1 plastic bottle cap

ASSEMBLING:



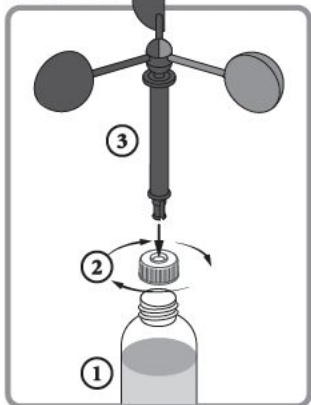
1. Fit the revolving cups in place on the revolving cup support.
 2. Place the revolving cups with support over the stand.
- Your anemometer is completed. Time to measure wind speed!

HOW TO MEASURE WIND SPEED:



1. Hold the anemometer in a place that has full access to the wind from all directions and count the number of spins of the red cup in 30 seconds.
2. Multiply the number of spins by 0.05 to roughly find out the speed of wind correspondingly in mph. You also can multiply the number of spins by 0.08 to find out the speed of wind in km/h.
3. If possible, repeat step 1-2 four times and record the average number of spins to achieve a more accurate result.

RECYCLING:



- Your anemometer has a specially designed bottle cap which fits most plastic bottle openings.
1. Fill the bottle two third full of water to made a weight.
 2. Simply screw the bottle cap on the plastic bottle.
 3. Push the anemometer at the top of the bottle cap until it clicks into place.

A super cool desktop anemometer is made! You can decorate the bottle body with your own designs and place it in your backyard to measure the speed of wind anytime.

HOW IT WORKS:

The circumference of your anemometer is 27.2 inches and equal 2.27 feet. When wind blows it to revolve 1 turn, that means the anemometer moved 2.27 feet. If it revolves 1 turn in 1 minute:

$$= 2.27 \text{ feet/minute}$$

$$= \frac{2.27 \text{ feet}}{1} \times \frac{60 \text{ minutes}}{1 \text{ hour}}$$

$$= 136.2 \text{ feet/hour}$$

$$= \frac{136.2 \text{ feet}}{1 \text{ hour}} \times \frac{1 \text{ mile}}{5280 \text{ feet}}$$

$$= 0.025 \text{ miles/hour}$$

So, If you count 10 spins in 30 seconds, that means 20 spins in 1 minute (10 x 2) x 0.025 miles/hour = 0.5 mph.

AHA!

1. We measure wind speed with an anemometer. Its name is derived from the Greek word "anemos", which means "wind".
2. The cup anemometer is invented by Dr John Robinson. That's why it is also called a Robinson anemometer. The number of spins in a given time interval is used to calculate the wind speed.
3. Developed in the mid-19th century, the original cup anemometer has four cups rotating around a vertical axis. Modern anemometer reduced the cups to three, which provide a faster response and a constant torque. It is now the industry standard for wind resource assessment.

- EN** WARNING! FOR AGES 8 AND UP. NOT SUITABLE FOR CHILDREN UNDER 36 MONTHS DUE TO SMALL PARTS. CHOKING HAZARD TO BE USED UNDER THE DIRECT SUPERVISION OF AN ADULT. ALWAYS KEEP PACKAGING FOR FUTURE REFERENCE AND SAFETY REASONS. COLORS AND CONTENTS MAY VARY. MADE IN CHINA.
- FR** ATTENTION! RECOMMANDÉ À PARTIR DE 8 ANS. NE CONVIENT PAS AUX ENFANTS DE MOINS DE 36 MOIS CAR IL CONTIENT DES PETITES PIÈCES ET POURRAIT CAUSER UN DANGER D'ÉTOUFFEMENT. À UTILISER SOUS LA SURVEILLANCE D'UN ADULTE. CONSERVEZ L'EMBALLAGE POUR UNE UTILISATION ULTÉRIEURE ET POUR DES RAISONS DE SÉCURITÉ. LES COULEURS ET LE CONTENU PEUVENT VARIER. FABRIQUÉ EN CHINE.
- ES** ¡ADVERTENCIA! A PARTIR DE LOS 8 AÑOS. NO ADECUADO PARA NIÑOS MENORES DE 3 AÑOS DEBIDO A LAS PIEZAS PEQUEÑAS. PELIGRO DE ATRAGANTAMIENTO. UTILÍCESE BAJO LA VIGILANCIA DIRECTA DE UN ADULTO. GUARDE EL EMBALAJE PARA FUTURAS CONSULTAS Y POR RAZONES DE SEGURIDAD. LOS COLORES Y CONTENIDOS DEL PRODUCTO PUEDE VARIAR RESPECTO A LAS IMÁGENES. FABRICADO EN CHINA.
- IT** AVVERTENZA! CONSIGLIATO PER RAGAZZI DA 8 ANNI IN SU. CAUSA LA PRESENZA DI ELEMENTI PICCOLI. IL PRODOTTO NON È ADATTO PER BAMBINI SOTTO I 3 ANNI. PERICOLO DI SOFFOCAMENTO. DA USARE SOTTO LA DIRETTA SORVEGLIANZA DI UN ADULTO. CONSERVARE LA CONFEZIONE PER EVENTUALI RIFERIMENTI FUTURI E PER MOTIVI DI SICUREZZA. I CONTENUTI ED I COLORI POSSONO VARIARE. FABBRICATO IN CHINA.
- DE** ACHTUNG! FÜR KINDER AB 8 JAHRE. WEGEN KLEINER TEILE NICHT GEEIGNET FÜR KINDER UNTER 36 MONATE. ERSTICKUNGSGEFÄHR. BENUTZUNG UNTER UNMittelBARE ADULTEN. VERPACKUNG VON ERWACHSENEN. BITTE IMMER DIE VERPACKUNG FÜR ZUKUNFTIGE BEZUGNAHMEN UND AUS SICHERHEITGRÜNDEN ERHALTEN. FARB- UND INHALTSÄNDERUNGEN VORBEHALTEN. HERGESTELLT IN CHINA.
- NL** WAARSCHUWING! AANBEVOLEN VOOR LEEFTIJD 8+. NIET GESCHIKT VOOR KINDEREN ONDER DE 3 JAAR VANWEGE KLEINE ONDERDELEN. STIKGEVAAR. GEBRUIKEN ONDER DIRECT TOEZICHT VAN EEN VOLWASSEN. HOU DE VERPAKKING ALTIJD BIJ VOOR TOEKOMSTIG GEBRUIK EN UIT VEILIGHEIDSOVERWEGINGEN. KLEUREN EN INHOUD KUNNEN AFWIJKEN. GEHIEFT IN CHINA.
- PT** AVISO! RECOMENDADO ACIMA DE 8 ANOS. ESTE PRODUTO NÃO É ADEQUADO PARA MENORES DE 36 MESES DEVIDO À EXISTÊNCIA DE PEQUENAS PARTES. PERIGO DE ASFIXIA. UTILIZAR SOB A VIGILÂNCIA DIRETA DE ADULTOS. GUARDE SEMPRE A CAIXA PARA FUTURAS REFERÊNCIAS E POR RAZÕES DE SEGURANÇA. AS CORES E OS CONTEÚDOS PODEM VARIAR DAS IMAGENS APRESENTADAS. FABRICADO NA CHINA.

