

RAIN GAUGE PROJECT

HOW MUCH RAIN IS REALLY FALLING WHEN YOU WATCH A HEAVY SHOWER THROUGH THE WINDOW OF YOUR HOME? HOW ABOUT ON OTHER DAYS WHEN IT'S JUST A LIGHT SHOWER? FIND OUT BY MAKING YOUR OWN RAIN GAUGE, RECORDING THE RESULTS AND STUDYING YOUR FINDINGS.

WHAT YOU'LL NEED :

- A PLASTIC (SOFT DRINK) BOTTLE
- SOME STONES OR PEBBLES
- TAPE
- MARKER (FELT PEN)
- A RULER

INSTRUCTIONS :

CUT THE TOP OFF THE BOTTLE.

3. PLACE SOME STONES IN THE BOTTOM OF THE BOTTLE. TURN THE TOP UPSIDE DOWN AND TAPE IT TO THE BOTTLE. USE A RULER AND MARKER TO MAKE A SCALE ON THE BOTTLE. (HALF INCH INCREMENTS)
POUR WATER INTO THE BOTTLE UNTIL IT REACHES THE BOTTOM STRIP ON THE SCALE. CONGRATULATIONS, YOU HAVE FINISHED YOUR RAIN GAUGE.

6. WHEN IT STARTS RAINING, PUT YOUR RAIN GAUGE WHERE IT CAN COLLECT WATER. ONCE RAIN SHOWER HAS FINISHED, CHECK TO SEE HOW FAR UP THE WATER HAS RISEN ON THE SCALE.

WHAT'S HAPPENING :

RAIN FALLS INTO THE TOP OF THE GAUGE AND COLLECTS AT THE BOTTOM, WHERE IT CAN BE EASILY MEASURED. TRY COMPARING THE AMOUNT OF RAIN TO THE LENGTH OF TIME THE SHOWER LASTED, WAS IT A SHORT AND HEAVY RAIN SHOWER OR A LONG AND LIGHT ONE?

INTERESTING IF THE PLACE YOU LIVE EXPERIENCES VARYING SEASONS WHERE SOMETIMES IT IS VERY DRY AND OTHER TIMES IT IS VERY WET.

COMBINE YOUR RESULTS WITH [WIND SPEED](#), [WIND DIRECTION](#) AND [AIR PRESSURE](#) FOR A FULL WEATHER REPORT.

