

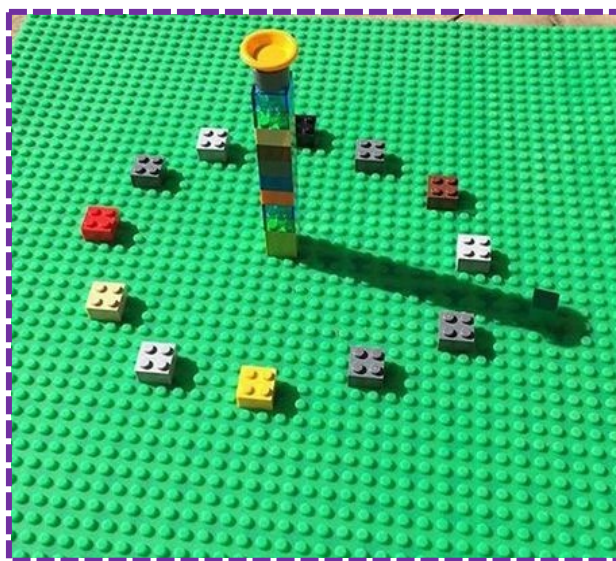
LEGO SUNDIAL

MATERIALS:

- LEGOS
- BUILDING TRAY

PROCEDURE:

1. ON THE TRAY, PLACE 12 BRICKS SET UP LIKE A CLOCK. EACH BRICK WILL REPRESENT THE TIME OF DAY. SEE PICTURE FOR HELP.
2. IN THE MIDDLE OF YOUR LEGO CLOCK, BUILD A STRUCTURE THAT IS 8 - 10 BRICKS TALL.
3. PLACE YOUR SUNDIAL IN THE SUN TO SEE WHAT HAPPENS.



ALL ABOUT ROCKETS:

A SUNDIAL IS AN INSTRUMENT THAT TELLS THE TIME LIKE A CLOCK. IT HAS A POLE OR GNOMON IN ITS CENTER AND MARKINGS THAT SHOW HOURS OR FRACTION OF HOURS. WHEN THE SUN SHINES ON GNOMON, IT CASTS SHADOWS THAT APPEAR ON DIFFERENT MARKINGS ON THE SUNDIAL. THIS INSTRUMENT HAS BEEN USED SINCE ANCIENT TIMES AND WAS THE MAIN INDICATOR OF TIME UNTIL THE EARLY 19TH CENTURY. THIS IS STILL NOT KNOWN EXACTLY WHO INVENTED THE SUNDIAL. IT IS ALSO ONE OF THE OLDEST SCIENTIFIC INSTRUMENTS OF THE WORLD.