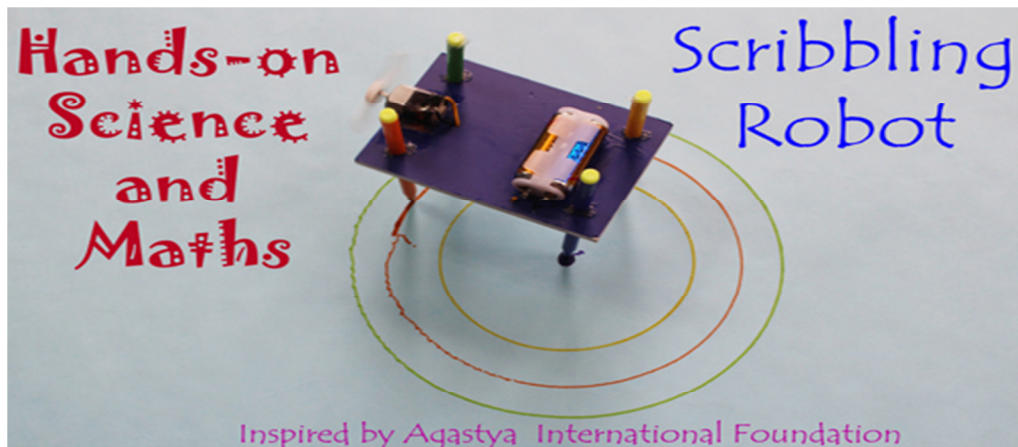


## HOLIDAY ASSIGNMENT - DEC 2019

STD IX

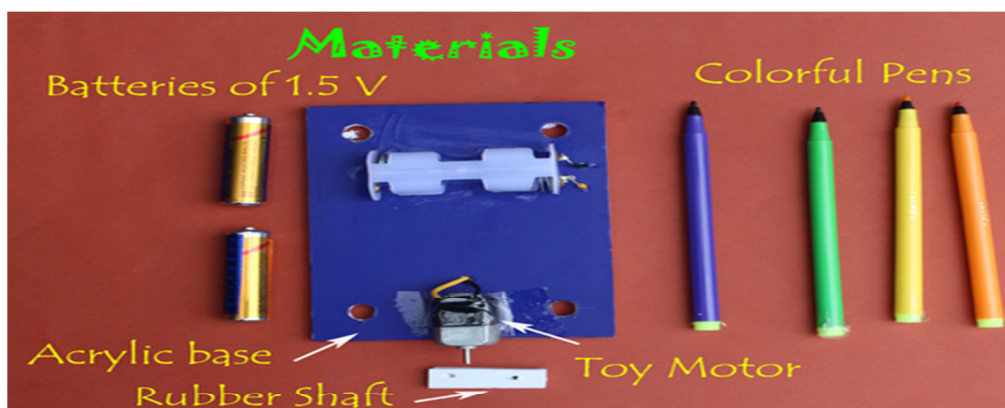
PHYSICS

### Scribbling Robot

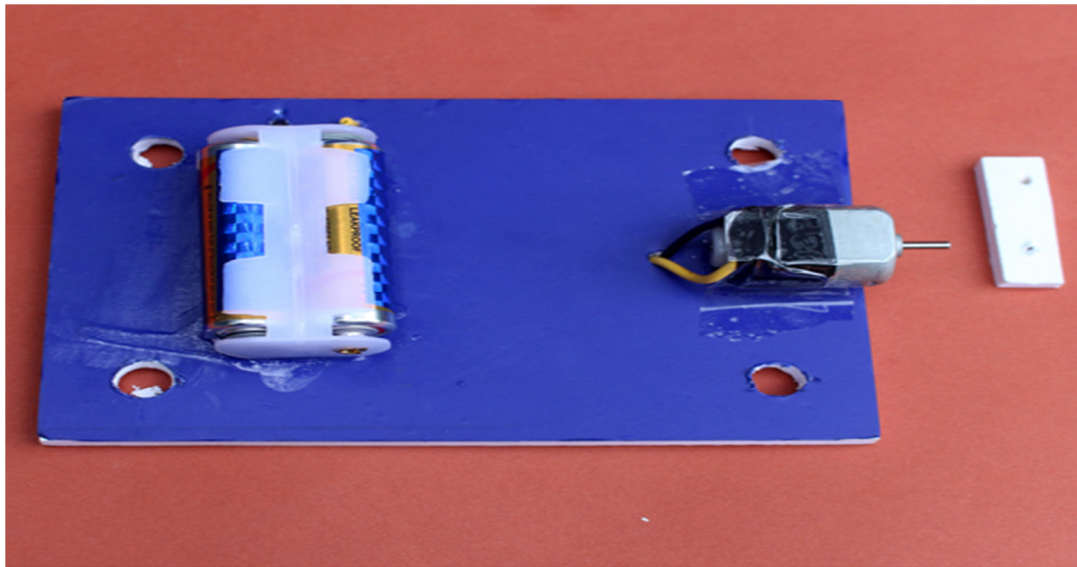


IN THIS EXPERIMENT THE TABLE TOP HAS A TOY MOTOR WITH AN OFF-CENTER SHAFT.  
THE LEGS OF THE TABLE ARE 4 DIFFERENT COLOUR SKETCH PENS.

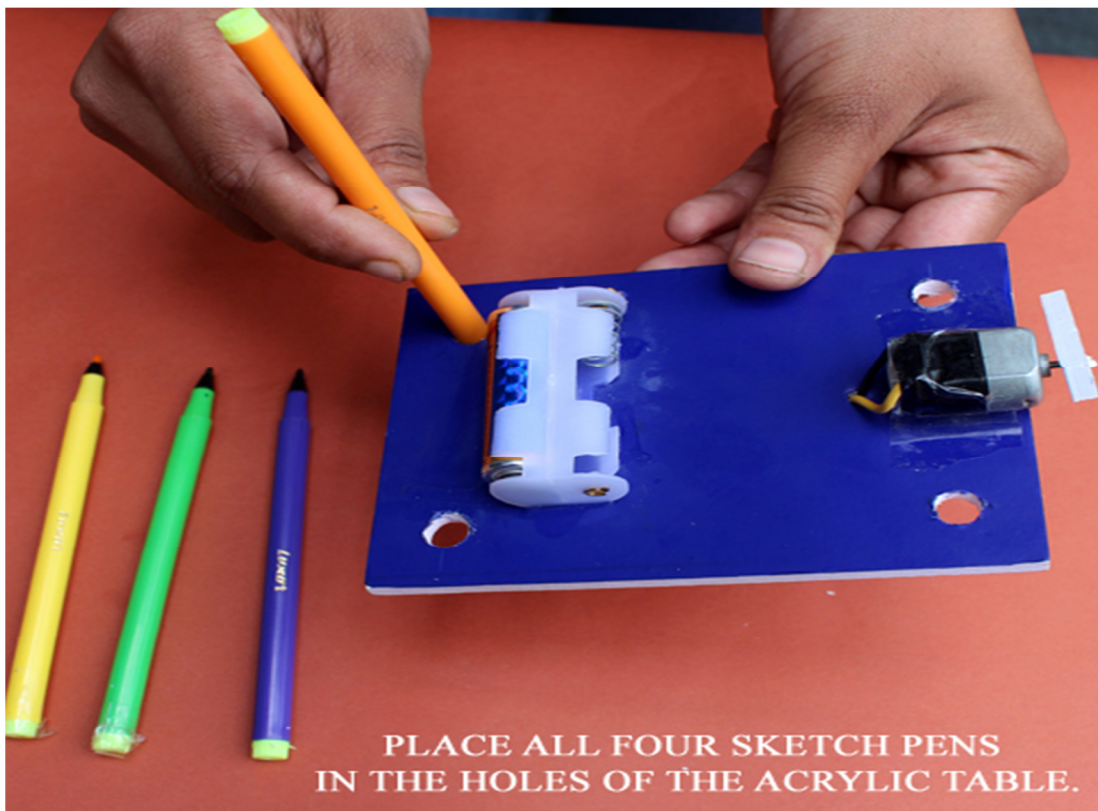
AS THE MOTOR IS PUT ON THE OFF-CENTER SHAFT VIBRATES THE TABLE AND IT MOVES  
AND THE SKETCH PENS DRAW BEAUTIFUL CIRCLES!



**MATERIALS:**  
A RECTANGULAR ACRYLIC SHEET WITH 4 HOLES  
FOUR COLOR SKETCH PENS  
TOY MOTOR WITH BATTERY PACK  
RUBBER SHAFT  
WHITE PAPER



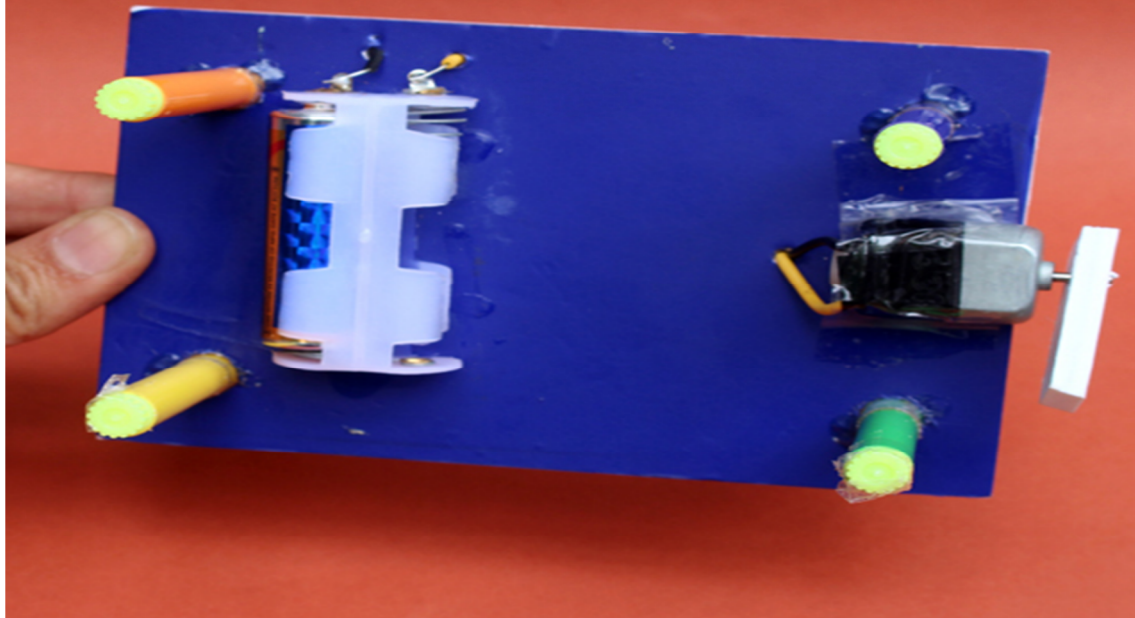
**ON THE ACRYLIC SHEET IS MOUNTED A TOY MOTOR AND A BATTERY PACK.  
THE RUBBER PIECE WILL BE AN OFF-CENTER SHAFT.**



**PLACE ALL FOUR SKETCH PENS  
IN THE HOLES OF THE ACRYLIC TABLE.**



THE PENS MUST BE FIXED ON THE SAME HEIGHT.  
INSERT A OFF-CENTER RUBBER PIECE  
IN THE TOY MOTOR SHAFT.



PLACE 4 PENS ON A WHITE SHEET OF PAPER

