



YIP

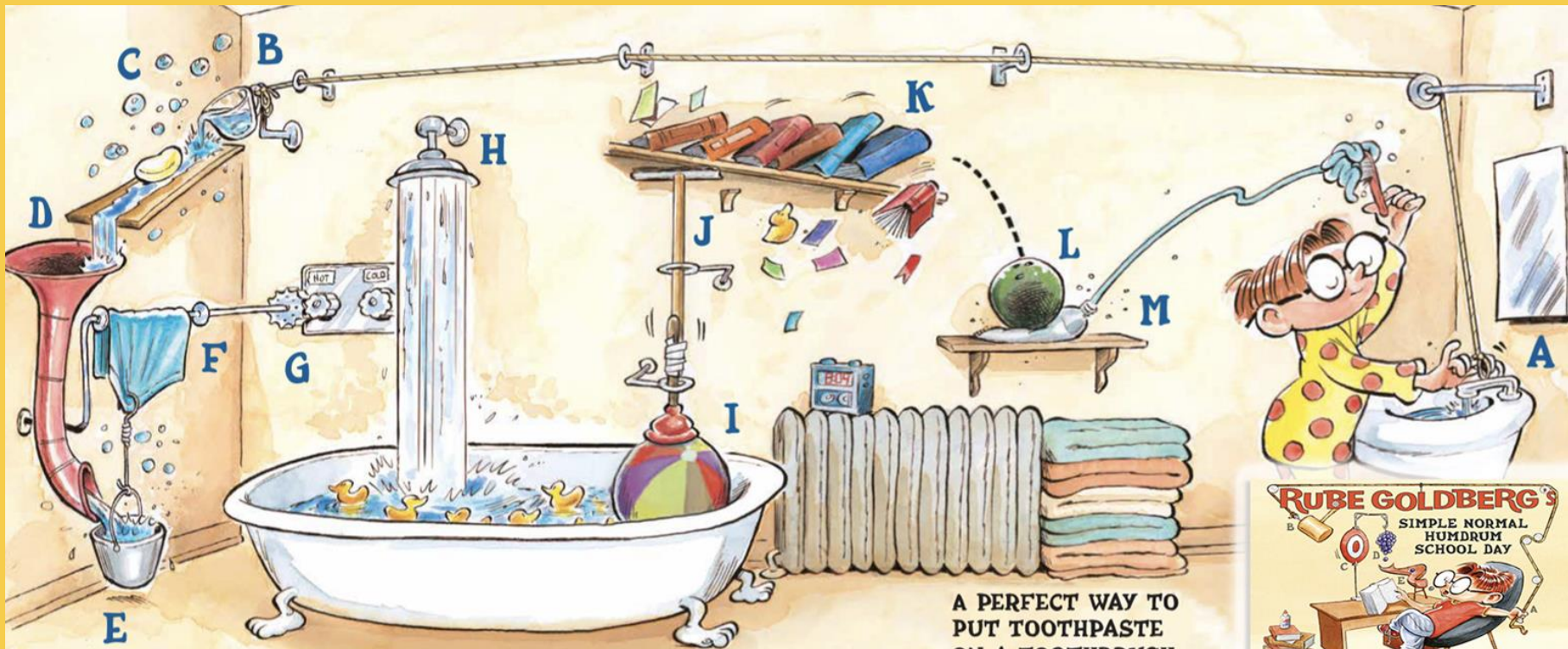
RUBE GOLDBERG

MACHINES

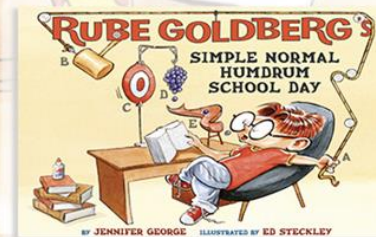


Lesson 4: My Rube Goldberg Machine

A PERFECT WAY TO PUT TOOTHPASTE ON A TOOTHBRUSH



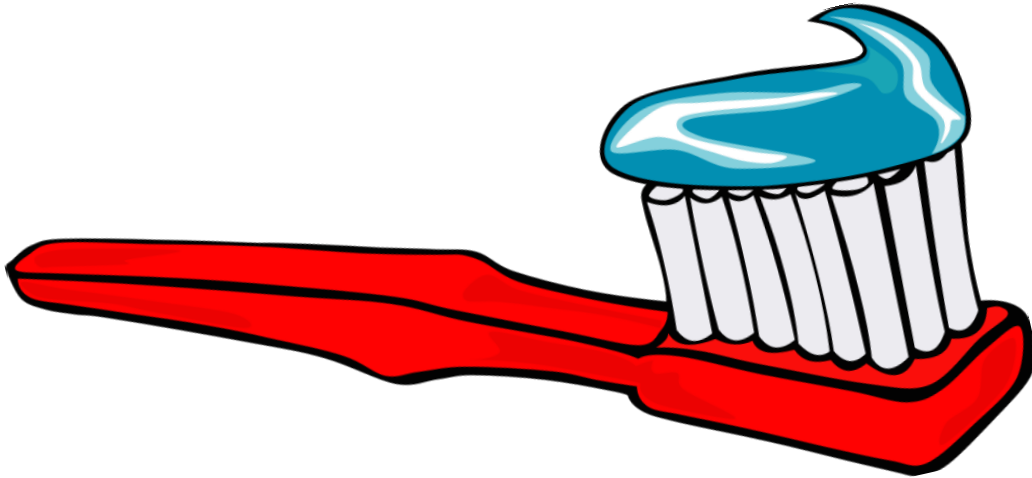
A PERFECT WAY TO PUT TOOTHPASTE ON A TOOTHBRUSH



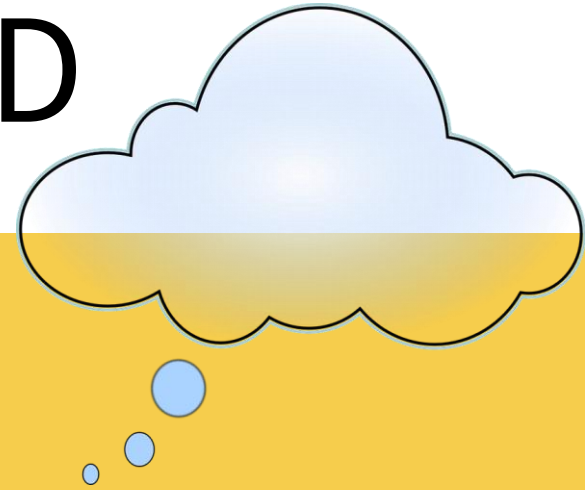
RUBE LIFTS FAUCET HANDLE (A), LOOSENING STRING, WHICH TIPS MEASURING CUP (B). WATER SPILLS OUT OF CUP ONTO DRY BAR OF SOAP (C), MAKING IT SLIPPERY ENOUGH TO SLIDE DOWN ANGLED SHELF AND INTO FUNNEL (D), THEN INTO BUCKET (E). WEIGHT OF SOAP MAKES THE BUCKET DROP, PULLING DOWN ON TOWEL, WHICH ROTATES ROD (F) AND MOVES GEARS (G) TO TURN ON SHOWER (H), FILLING BATHTUB. AS WATER RISES, BEACH BALL (I) FLOATS UPWARD, PUSHING SQUEEGEE (J), LIFTING SHELF. THIS CAUSES BOOKS (K) TO FALL OVER, KNOCKING BOWLING BALL (L) OFF SHELF AND INTO TOOTHPASTE TUBE (M), WHICH SQUIRTS A PERFECT DOLLOP OF PASTE ONTO RUBE'S TOOTHBRUSH.

THE TASK

**PUT TOOTHPASTE ONTO A
TOOTHBRUSH**



THINK ALOUD



Are dominoes and tiny marbles
good or bad items to use in a Rube
Goldberg Machine? Why?