

GUIDE TO GOLDBERG



A GUIDE TO GOLDBURG

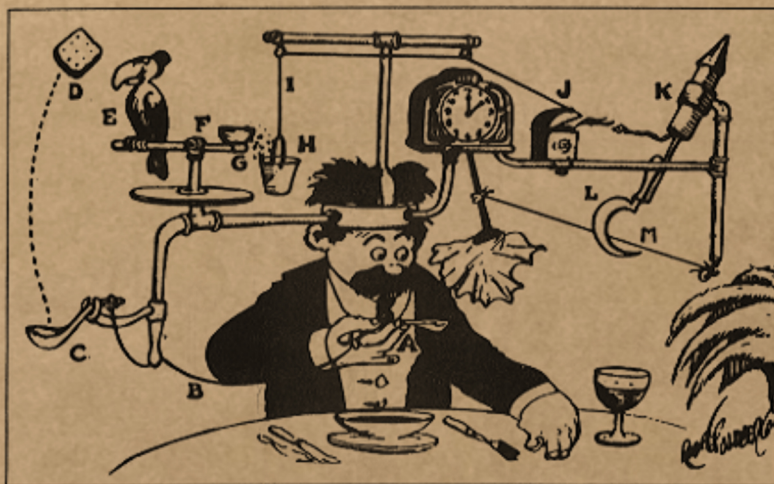
BE THE INVENTOR.

WHAT IS A RUBE GOLDBERG MACHINE?

YOU MAY NOT KNOW THE NAME, BUT YOU'LL HAVE SEEN THEM IN FILMS LIKE THE GOONIES (THE GATE OPENING CONTRAPTION AFTER THE "TRUFFLE SHUFFLE"), IN THE WHIMSICAL WORLD OF WALLACE AND GROMIT INVENTIONS, OR MAYBE YOU ARE ONE OF THE 74 MILLION VIEWERS OF OK GO'S "THIS TOO SHALL PASS" VIDEO...THE AMAZING ONE WHERE THE CHAIN REACTION COVERS THE BAND IN PAINT! OR THE GAME MOUSE TRAP! WHY DIDN'T I JUST SAY THAT?

NAMED AFTER THE FAMOUS CARTOONIST, A RUBE GOLDBERG MACHINE IS A CHAIN REACTION DESIGNED TO PERFORM A SIMPLE TASK IN AN OVERLY COMPLICATED WAY. MUCH LIKE A HOPE & SOCIAL EVENT REALLY. NEXT TIME, JUST A GIG!

SELF-OPERATING NAPKIN



THEY USE EVERYDAY OBJECTS IN INGENIOUS WAYS. HENCE THE BIG PILE OF JUNK BEHIND YOU! EACH MOVEMENT FLOWS "SEAMLESSLY" (AHEM) INTO THE NEXT, CREATING A SENSE OF ANTICIPATION AND DELIGHT. WHEN DONE WELL, THEY ARE DEEPLY SATISFYING, WHEN DONE BADLY, THEY ARE DEEPLY FRUSTRATING! EITHER WAY, THEY ARE FUN TO BUILD AND BRING OUT THE INNER CHILD IN ALL OF US.

IN THIS GUIDE, WE'LL EXPLORE SOME EXAMPLES OF SIMPLE MACHINES. WITH THESE BUILDING BLOCKS, YOU'LL BE READY TO HELP US CREATE A SPECTACULAR GRAND FINALE!

GET READY TO UNLEASH YOUR CREATIVITY/FRUSTRATION.

WELCOME TO THE WONDERFUL WORLD OF RUBE GOLDBERG!



INFORMATION

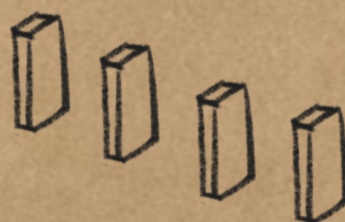


RAMP & TRIGGER

READY TO
ROLL!



BALANCE A
TRIGGER!



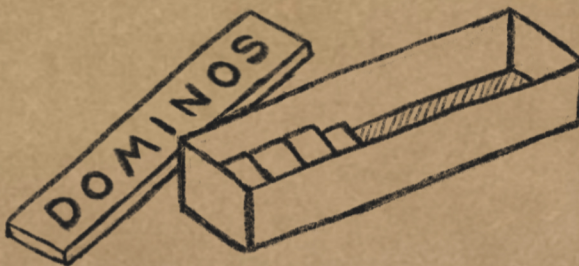
WATCH ME
ROLL!

PRACTISE
LOTS &
LOTS!



PLONK!

KNOCK THE
TRIGGER!



TIPS & TRICKS

YANKER



TIE OR TAPE
ME!

HEIGHT &
WEIGHT
ARE VERY
IMPORTANT!



YANK!



WATCH ME
FALL!



TIPS & TRICKS

SPINNER

WIND ME
UP!

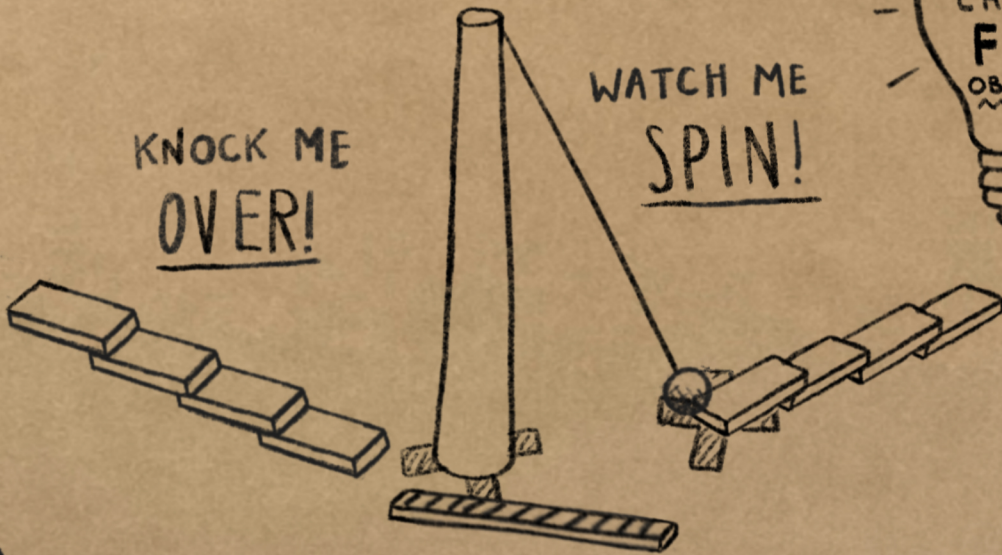
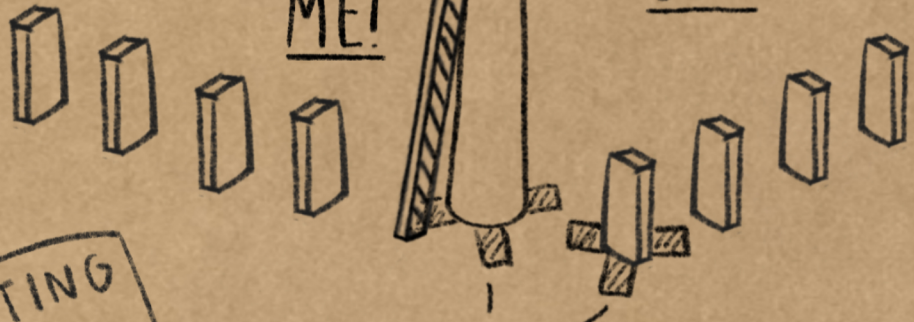
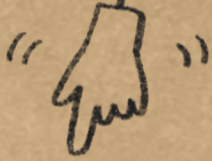
BALANCE
ME!

DON'T FORGET TO
MARK POSITIONS!

REMEMBER
CHOOSE
FUN
OBJECTS

WATCH ME
SPIN!

KNOCK ME
OVER!



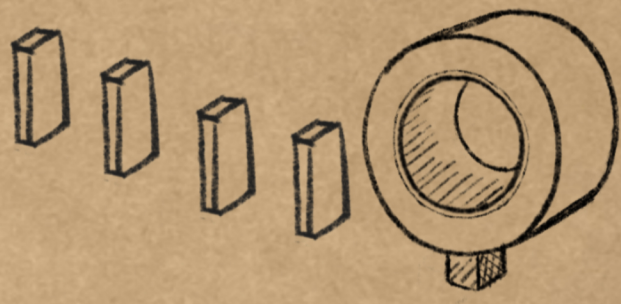
TIPS & TRICKS



ROLLER

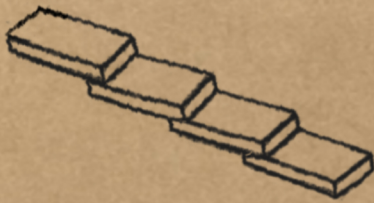
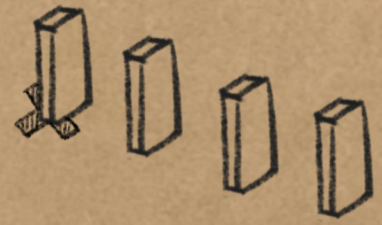


ROLLY THING!



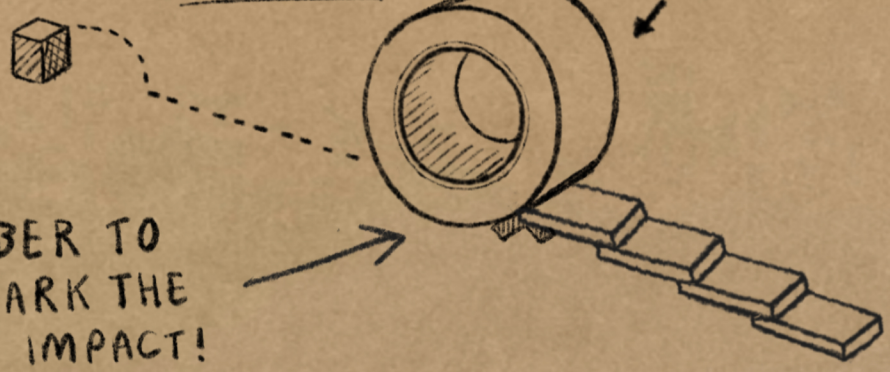
BALANCE ME!

GIVE ME HEIGHT
& I WILL ROLL
FURTHER!



DOINK!

WATCH ME
ROLL!



~~X~~ REMEMBER TO
TEST & MARK THE
POINT OF IMPACT!



TIPS & TRICKS

SLAPPER



WHAT YOU NEED!

SOMETHING HEAVY
TAPE

SOMETHING LIGHT

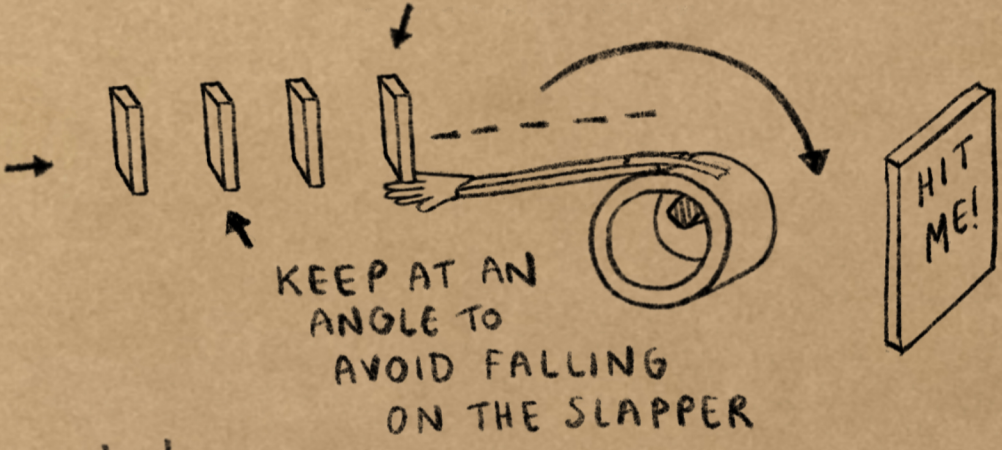


ROLLER

USE TAPE TO STICK IT ALL

TOGETHER

BALANCE ME ON THE EDGE



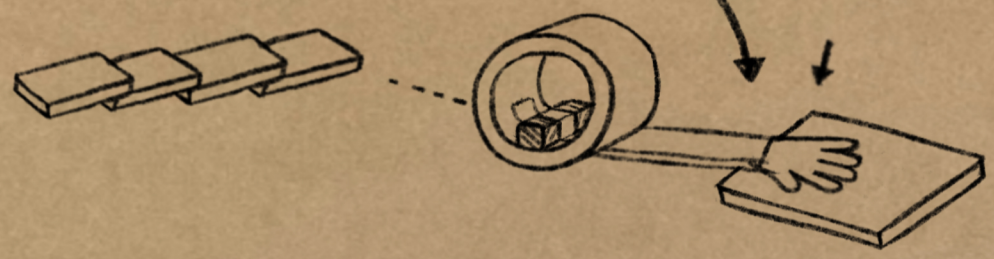
KEEP AT AN ANGLE TO AVOID FALLING ON THE SLAPPER



REMEMBER THE WEIGHT MAKES ME ROLL

OOOOOHH!

SLAP!

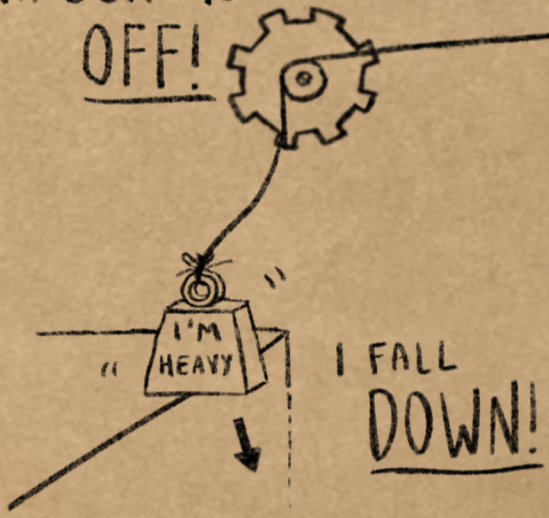


TIPS & TRICKS

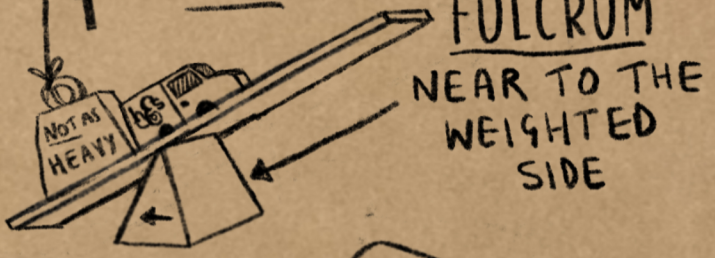
PULLEY & SEE-SAW



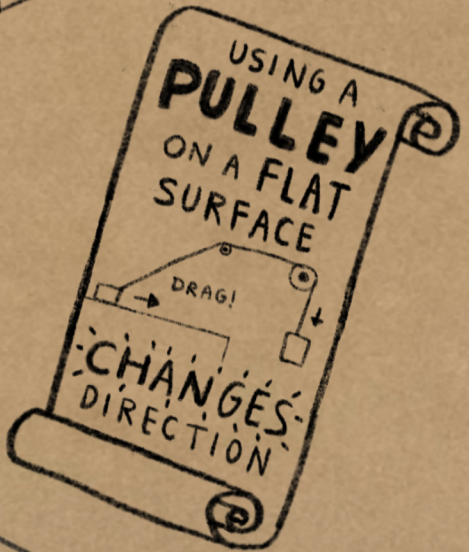
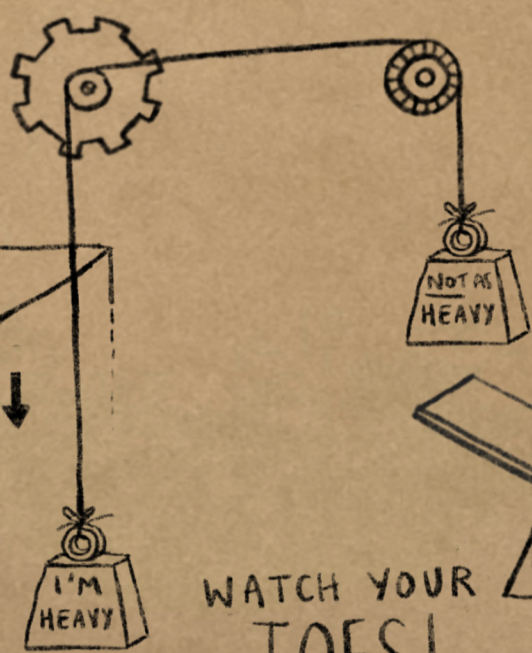
KNOCK ME OFF!



I LIFT UP!



KEEP THE FULCRUM NEAR TO THE WEIGHTED SIDE



USING A **PULLEY** ON A FLAT SURFACE **CHANGES DIRECTION**

BRUM BRUM!

WATCH YOUR TOES!



TIPS & TRICKS



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INGENIOUS EXAMPLES

OK GO | THIS TOO SHALL PASS



HUMAN CAR WASH | JOSEPH'S MACHINES



BBC | KIDS INVENT STUFF



MACHINES IN MOVIES

GOONIES | TRUFFLE SHUFFLE



WALLACE AND GROMIT | THE WRONG TROUSERS



CHITTY CHITTY BANG BANG | THE BREAKFAST MACHINE



QR CODES



A GUIDE TO GOLDBURG

MACHINE LEARNING

10 CHAIN REACTION TIPS | SPRICE MACHINES



THE SIX SIMPLE MACHINES | ZACH CONTRAPTIONS



WHO WAS RUBE GOLDBERG | NEW YORK TIMES

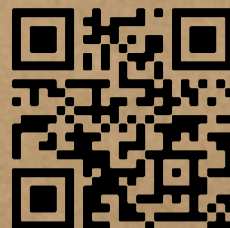


MACHINE MASTERS - SOCIALS

JOSEPH'S MACHINES  @JOSEPHSMACHINES



SPRICE MACHINES  @SPRICEMACHINES



LILY HEVESH  @HEVESHS



QR CODES