



20 HOME MADE SPINNING TOYS

Fun to Make • Easy to Spin • Great for Year 1 Kids!

Spin, test
and have
FUN!

1 Bottle Cap Spinner



Push the stick
to make it spin.

2 Cardboard Circle Spinner



Push a pencil
through to spin.

3 Paper Plate Spinner



Push the straw
to make it spin.

4 Button Spinner



Stack buttons and
spin with a stick.

5 CD or DVD Spinner



Use a bottle top
and spin away!

6 Lolly Stick Spinner



Twist between
your fingers to spin.

7 Pencil Top Spinner



Flick it with your
fingers to spin.

8 Whirly Blades



Blow or flick to
make it whirl.

9 Spiro Disc



Push the centre
to spin.

10 Yogurt Lid Spinner



Push the stick to
start it spinning.

11 Cotton Reel Top



Wind the string
and let it go!

12 Pull String Spinner



Pull the string
and watch it spin!

13 Propeller Spinner



Blow gently or flick
to make it spin.

14 Spin Top from Foam



Push down and
spin it round.

15 Cup and Bead Spinner



Spin the bead to
make the cup spin.

16 Paper Clip Spinner



Flick the paper clip
to make it spin.

17 Spinner with Straw



Hold the straw and
spin between palms.

18 Fan Blade Spinner



Flick the centre
to make it spin.

19 Magnet Spinner



Spin it on a smooth
surface.

20 Paper Spiral Spinner



Twist the spiral
and watch it spin!



YOU CAN USE:





MATERIALS FOR HOMEMADE SPINNING TOYS



CHOOSE • CREATE • TEST • IMPROVE • SPIN!

1. BASES / BODIES



- Cardboard
- Paper plates
- Yoghurt lids
- Bottle caps
- Cardboard tubes
- Cereal boxes
- Cardstock
- Plastic container lids
- Old CDs/DVDs
- Cotton reels

2. AXLES / HANDLES



- Pencils
- Paper straws
- Wooden craft sticks
- Toothpicks (with teacher supervision)
- Pipe cleaners
- Short straws
- Paddle-pop sticks (with sharp ends removed)
- Skewers

3. CENTRES / CONNECTORS



- Bottle caps
- Beads
- Blu Tack
- Corks
- Cardboard discs
- Buttons
- Modelling clay
- Playdough
- Small pieces of foam

4. SPINNING BLADES / SHAPES



- Paper
- Thin cardboard
- Paper spirals
- Cupcake liners
- Cardstock
- Paper strips
- Folded paper
- Foam

5. PULL / WIND MATERIALS



- String
- Ribbon
- Wool / Yarn
- Elastic bands

6. DECORATION



- Coloured paper
- Markers
- Paint
- Tissue paper
- Sequins
- Stickers
- Crayons
- Pencils
- Washi tape
- Foil
- Pom-poms

7. JOINING MATERIALS



- Sticky tape
- Double-sided tape
- PVA glue
- Reusable adhesive
- Masking tape
- Glue sticks
- Split pins / brads

8. TOOLS



- Child-safe scissors
- Ruler
- Markers
- Hole punch
- Pencils

9. RECYCLED MATERIALS



- Cereal boxes
- Yoghurt lids
- Cardboard packaging
- Old gift cards
- Clean bottle caps
- Clean plastic containers
- Paper scraps
- Cardboard tubes

10. TESTING EQUIPMENT



- Flat testing mat
- Stopwatch / Timer
- Ruler
- Masking tape for starting points

BEST MATERIALS TO HAVE

Keep a variety of safe, easy-to-use materials available so students can make different spinning toys and make choices.



SAFETY FIRST!

Always use tools and materials safely.
Ask your teacher if you need help.



Be creative, have fun
and enjoy your spin!



DESIGN IT • BUILD IT • TEST IT • IMPROVE IT • SPIN IT!

GET READY!

THE GREAT SPINNING TOY INVESTIGATION!

EXPLORE. DISCOVER. HAVE FUN!

Become a Toy Detective!

Take a closer look at a spinning toy. Observe. Ask questions. **Find the answers!**

WHO USES IT?

Who is the spinning toy designed for?

WHAT IS IT DESIGNED TO DO?

What is the purpose of this spinning toy?

HOW DOES IT SPIN?

How does the toy spin?
What makes it move?

WHAT MAKES IT FUN?

What features make this toy fun to use?

OBSERVE IT. QUESTION IT. UNDERSTAND IT. DESIGN YOUR OWN NEXT!

LOOK CLOSELY. THINK DEEPLY. SPIN INTO DISCOVERY!

SCIENCE IN ACTION ★ CURIOSITY IN MOTION ★ FUN THAT SPINS!



ENGINEERING DEPARTMENT

BIG IDEAS
STRONG PLANS
AMAZING
CREATIONS!

POSSIBLE SPINNING TOYS YOU CAN DESIGN!

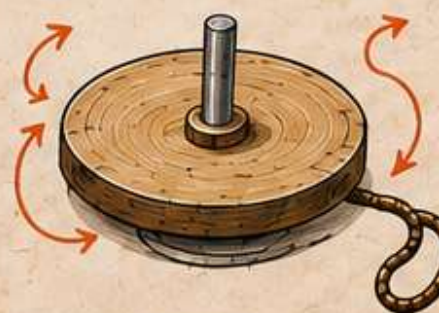
SPINNING TOP



DISC SPINNER



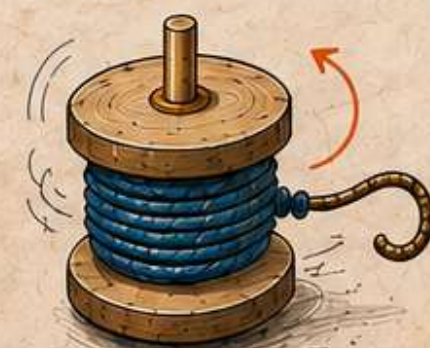
PULL STRING SPINNER



PROPELLER SPINNER



WIND-UP SPINNER



PINWHEEL SPINNER



SPINNER WHEEL



BALANCING SPINNER



DESIGN IT!
BUILD IT!
TEST IT!
IMPROVE IT!

TOOLS

THINK!
DESIGN!
BUILD!
SPIN!

PLAN
BUILD
CREATE





