Gather together an assortment of recycled materials, and build a sustainable, custom moto bike of your own to celebrate the new exhibition *MOTO MMXX*. Your bike will be one-of-a-kind, just like many of the pieces in the show!

**RECOMMENDED AGE/SKILL LEVEL:**

Recommended for 8+ with adult supervision for hot glue use.

**MATERIALS**

- Motorcycle template
- Spare hardware materials (ie: allen wrench, screws, sponge, cork, clips)
- Dowels, chopsticks, toothpicks, old ballpoint pens, paper clips or skewers
- Pipe cleaners or wire
- Thin paper or newspaper
- Cardboard and/or plastic
- Tape
- Hot glue
- Scissors
- *OPTIONAL*: Paper and pencil for design, stickers, pom poms, or other embellishments

**INSTRUCTIONS**

- Trace, print, draw, or view a motorcycle template online as your guide. You’ll be able to match individual parts more easily this way.
• Inspired by your diagram or image, find materials to stand in for motorcycle parts. Choose your materials based on shape, texture, size, or imaginative potential.

• Parts include:
  ° Fork  ° Exhaust
  ° Frame  ° Headlights
  ° Wheels  ° Fenders
  ° Engine  ° Seat—and more!

• Your design might include many details, or be minimalist, imitating basic shapes. Cut and alter materials as needed.

• Will your wheels turn or will they be fixed?
  ° For kinetic wheels, remember that you will need 2 axles, one for each wheel.
  ° Fixed wheels will be slightly easier to construct and will help the bike stand up better.

• Trim, combine, or decorate materials to create the shapes you want.
• Begin building, using hot glue or other strong adhesive to hold pieces together. **TIP:** Build large parts of the motorcycle frame first. Check as you go to make sure that it will stand up. You can also consider how to craft a kick stand.
• Glue or wire smaller parts onto the motorcycle body.

• Check your motorcycle’s appearance from both sides.
• Find a backdrop for your motorcycle! Where do you imagine it going?

### ADDITIONAL RESOURCES

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