

# Challenge

## DESIGN A GAME

**Safety first!** Once you have some ideas, check in with an adult to make sure your game plan is safe.

**Invent a game to play with your family or a friend.**

Use any materials that are available at home such as balls, dice, string, paper, pens, crayons, scissors, tape, rubber bands, paper plates, cups or bowls, cardboard tubes, cereal boxes, plastic bottles, or other recyclable materials like plastic lids, twist ties, or boxes. Be creative!

### What to do:

1. Think about games you like to play. Do you want to design a board game, a ball game, a guessing game, or a game that involves building or balancing?
2. Gather your materials and start designing!
3. Think about:
  - How will people play your game?
  - Do players take turns or play at the same time?
  - What are the rules?
  - How does the game end?
4. Ask a family member or a friend to play with you!



Ball maze game made with a box lid, paper, cardboard, and tape.

## FUN AND GAMES

Several Oregon Tribes played, and continue to play, a version of double ball—a game similar to lacrosse. The rules and equipment differed based on where a Tribe lived and the natural materials available.

Games and sports teach teamwork, fairness, and how to be respectful to opponents.



Photo: Tamásstíkt Cultural Institute



## Keep on Engineering!

Dream up new challenges and then design solutions using materials and supplies that you have at home, in the recycling bin, or even ones you can find outside.