



# Daisy Mechanical Engineering: Board Game Design Challenge

**Pillar:** STEAM

**Outcomes:** Challenge Seeking/Healthy Relationships

Create board games and engineer your own game spinner.

Before you begin designing your board game, play some games that you have at home with your family to get ideas of what you like and don't like.

## Daisies will earn their badge by:

1. Come up with an idea for your board game. Use your favorite things and make them into a game. The sky is the limit!

- Use your favorite stuffed animals as game pieces and your living room as the game board, or
- Design a board on a large piece of paper in your favorite colors and make game pieces out of play-doh or modeling clay, or
- Combine pieces and ideas from games you already own and turn them into a new game.

2. Design a spinner for your game

- You can find templates for spinners online, or you can create your own from scratch.
- Most spinners are made using metal brads in the center of the spinner, but there are lots of other options if you don't have brads. <https://www.teatimemonkeys.com/how-to-make-spinners-for-games-with-things-you-probably-have-at-home/>

Need supplies to complete this badge? [ScrapsKC](#) has badge kits for sale with supplies for steps 1 and 2.

3. Test your game and make it better

- Play your game with your family and see how you like it. Are there changes you would like to make? No problem! Change the things you don't like and play again!

When you've earned this badge, you'll have created your own board game and learned what inventors and engineers do.

**When you're finished:** Congratulations, you have earned your badge! You can purchase by emailing [shopdept@gksmo.org](mailto:shopdept@gksmo.org) or at <https://www.girlscoutshop.com/Daisy-Board-Game-Design-Challenge-Badge>

No shipping charges apply at this time.

