

# Beat the Heat

## Engineering Design Process

- Identify or Define the Problem
- Generate Ideas
- Identify Best Idea Based on Constraints
- Design and Build a Prototype
- Evaluate Tests
- Iterate and Redesign
- Explain Results

## Need Inspiration?

Explore the LEGO® Education SPIKE™ Essential [Your School Creation](#) lesson. Think about an amazing invention you can create for your classroom or your summer adventures.

Explore the LEGO® Education SPIKE™ Prime [Design for You](#) lesson. Think about the engineering design process and inventing your own summer cooling creation.

Design your own invention using LEGO® bricks or whatever materials you have available to you.

## Challenge

Design an invention to beat the summer heat. It's the end of the school year and time for summer!

Depending on where you live, summertime can be very hot. In this challenge you will design a device to help make the summer heat more bearable.

With support from your teacher, research ways that people cool off in the summertime and inventions that could help. Investigate fans, objects that can provide shade, or anything you can imagine.

Consider inventions that can help in your classroom or outdoors.

Use each step of the Engineering Design Process to complete this challenge.

