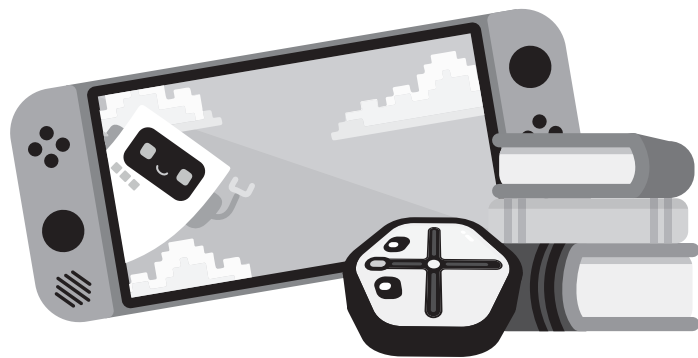


NAME: \_\_\_\_\_

# Video Games for Good

BUILD A VIDEO GAME FOR  
YOUR STORY'S CHARACTERS



Imagine you are a video game designer in your book's world. Your challenge is to design a video game using the iRobot Coding App and the Root® Coding Robot that will help one of the characters learn to solve a problem, process emotions, or develop a friendship.

## STEP 1: SELECT YOUR AUDIENCE

Choose the character in your book that will be playing your video game. Is it the protagonist? Antagonist? Or a supporting character? On a separate paper, answer the following questions:

- Character's name?
- Why this character?
- When in the story will the character play the video game? Please include a page number.
- Where will the character play the video game?

## STEP 2: OPEN YOUR CODING PLATFORM & BRAINSTORM

Navigate to **code.irobot.com** or open the **iRobot Coding App**. Create a blank project.

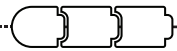
You will use Learning Level 2 with the simulated robot to design your game. On a separate paper, brainstorm different types of games/challenges that your character could play with the robot.

*Example: if your character needs to make a difficult decision, you could design a random answer game using conditionals and variables.*

## STEP 3: DECIDE ON YOUR GAME DETAILS

On a separate paper, write some important details about the game you plan to build, such as:

- Title of Game
- Type of Game (Strategy, Maze/Puzzle, Random chance, etc.)
- Goal/ desired ending of the game?
- What will the game help your character do/achieve?



## STEP 4: BUILD YOUR GAME

Use [code.irobot.com](https://code.irobot.com) or the **iRobot Coding App** to build your game. When finished, upload it to the cloud and write the 5-character project ID on a separate paper **AND** here below to save it.

**Completed Project ID:**



## STEP 5: WRITE YOUR GAME INTO THE STORY

Once you have finished coding, imagine you are your book's author and use a separate paper to write a page (3 paragraphs) to tell the story of your character playing their video game. Please include the page # where your new page belongs.

*Make sure to include important plot details like how the character finds the game, how they play, what the outcome of the game will be, and how the result will impact the rest of the story.*

## Reference Projects

You can use the code projects here for ideas on how to build your video game in iRobot Coding.

4 8 T K S

### RANDOM GUESS MACHINE

*In this project, the robot will randomly glow a color (either green, red, or blue) whenever it's top is touched. To make it a Random Answer Machine, assign an answer to each color. For example, green is yes, red is no, and blue is maybe.*

T H M Y H

### PING PONG ROBOT

*This project transforms your robot into a ping pong ball. Press play to start your robot, and hit the bumper to make it turn around randomly. What are some ways that you could turn this ping-pong behavior into a winnable game?*

## Going Further

Create a full brand for your new video game. Include a cover design, advertising description, price, and more!

