

Protecting the Earth's Resources and Environment-"Landfills and Ladders" 5th Grade Science Board Game

During the Fall 2022 semester, as part of my Methods of Teaching Elementary Science course with Dr. Eva Ogens, we were given an assignment to create a science board game that uses a science concept and aligns to one or more science standards.

Using the New Jersey Student Learning Standard, "5-ESS3-1 Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources, environment, and address climate change issues", I created a board game titled "Landfills and Ladders" based on the popular game "Chutes and Ladders" for fifth grade students. The following provides additional information about this board game.

Race to the top to save the environment! Action cards along the way will help players understand the rewards of reusing, reducing, and recycling. Being good stewards of the environment allows players to climb ladders while their poor choices will cause them to slide down a chute into a landfill.

OBJECT OF THE GAME

Be the first player to reach #100 and save the environment.

LADDERS: Any time a pawn ends its move on a picture square at the bottom of a ladder, that pawn must climb up to the picture square at the top of the ladder. Climb up with a good deed!

LANDFILLS: Any time a pawn ends its move on a picture square at the top of a chute, that pawn must slide down the chute to the picture square at the bottom (a landfill).

Bad choices slide you back!

ACTION CARDS:

Any time a pawn lands on a square with the symbol "Reuse, Reduce, Recycle", the player must pick up an action card, read the fact, and follow the directions. Some cards will instruct players to move forward, and others will have them move backwards.

