

# Zombie Apocalypse Tower Defense

**Introduction:** Congratulations! You have survived the first wave of the zombie apocalypse. Unfortunately, a zombie stampede caused a huge earthquake that destroyed your previous shelters. Today, using the same materials you had last week, you will be designing your own towers to face a second wave of zombies. **Here's the twist!** These earthquakes that have been rocking the world. In addition to making your towers zombie proof, you will need to make sure your towers can withstand the intense shaking from an earthquake. Good Luck!



## **Materials:**

- 100 sheets of paper per group
- A pencil or writing utensil
- Scissors
- Stapler
- Tape

## **Protocol:**

1. Divide into groups of 2 or 3.
2. **Stop & Think:** What do you remember from building structures during the last session?

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3. **Stop & Think:** What towers or tall structures do you know about? Share in your group what qualities a strong tower has. How can you incorporate these into your build?

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4. In order to create a paper log, roll two sheets of paper together. Set a pencil in the corner of the stacked sheets and roll diagonally. Use the pencil to help you get started and then remove the pencil! Roll evenly, but make sure not to make the logs as thin as a pencil is. Once you roll one log, use tape to secure it shut.

**\*Make sure your towers fit within the dimensions of the tape squares on the floor\***

5. Test your structure in the earthquake simulator.
6. **Stop & Think:** If it stayed standing, what helped your structure withstand the earthquake? If it fell down, what would you do differently next time?

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