

Level 1 - Everyday Hazards 1-2 player Matching Game

What you need:

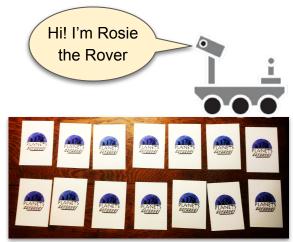


14 everyday hazards cards

Game Play Instructions

- \star Mix up the cards
- ★ Lay out all 14 cards face-down
- ★ Flip over two at a time
- ★ The goal is to match each Safety Tip card to a Hazard card with the same picture.
- \star Place matches face-up off to the side
- ★ When you have found all the Hazard cards, match a second Safety Tip to each hazard until you run out of cards.









Look around your house for a hazard

On the blank red card, write it & draw a picture

Match it to a "Safety Tip" < card, or create your own

Show your family or post it using #PlanetsSTEM

Level 2 - Mitigate Earth Hazards 1-4 Player Card Game

What you need:

★ 28 Earth hazard cards

Game Set Up (1-4 players)

- ★ Sort the cards by color: red Hazard, blue Mitigate, & green Chance
- ★ Unfold your game board
- ★ Place 6 Hazard cards face-up in their places on the game board
- ★ Deal each player 2 Mitigate cards
- ★ Mix up the rest of the cards and put them face-down in the "Draw Pile"

Game play

\star Goal: Everyone works together to mitigate all Hazards

- ★ Play 1 Mitigate on the game board below any matching Hazard then draw a card to end your turn. You should always at least 2 cards.
- ★ On your next turn:

If you draw a Hazard card:

- Place it face-up on the game board, draw a new card, and then...
- If you have **2** Mitigate cards:
 - Play 1 Mitigate on a matching Hazard, and draw to end your turn. If you can't play either, discard both & draw 2 cards to end your turn.
- If you have a Chance card:
 - Do what the card says, discard it, and draw to end your turn If you have 2 Chance cards, play 1 per turn in any order.
- ★ If a Hazard is matched with 2 Mitigate cards, flip the Hazard over and put the Mitigate cards in the discard pile.
- ★ If the draw pile runs out, mix up the discard pile and return them to the draw pile
- ★ Once all Hazards are mitigated (flipped over), everyone wins!

If playing solo:

- \star Take out all the chance cards
- ★ Keeping drawing & adding to your hand until you get a card you can play



Look around your house for ways to mitigate a natural hazard

On the blank blue card, write it & draw a picture

Show your family or post it using #PlanetsSTEM



Level 3 - Space Hazards 1-4 Player Card Game

What you need:

- 36 Space Hazards cards: \star
 - Set aside 11 cards that have only the Earth picture \star
 - Add the 17 cards with Earth and space pictures to the deck \star of 19 cards with only space pictures

Game Set Up (1-4 players)

- Play this level with the green Chance cards \star
- Set up the game in the exact same way as Level 2. ★

Game play

- Play the exact same way as Level 2, but with these new cards. \star
- Refer back to the rules on Level 2 for reminders \star
- If there is a Mitigate card that doesn't match a Hazard, but you can \star explain why it should, you can play it!

Have a question? Ask a planetary scientist at www.planets-stem.org/planets-at-home/ We will answer them live on social media every Wednesday.



What are some other ways you could mitigate Space Hazards?

On the blank blue card, write it & draw a picture

