

# Moon Adventure Game

## BOX CONTENTS

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## Getting Started Kit

### Overall and Welcome



#### Durable Materials

- ☐ Game Guide
- ☐ Welcome sign (large 22" x 28")
- ☐ Welcome sign (table sign 8.5" x 11")
- ☐ Banner (56" x 34")
- ☐ Clipboard for Progress Tracker sheet
- ☐ Clipboard for facilitator
- ☐ Facilitator Narrative Script
- ☐ Early childhood adaptation of the Facilitator Narrative Script for younger audiences
- ☐ Mission Control Cards (3)
- ☐ Pencil (pencil sharpener provided)

#### Consumable Materials

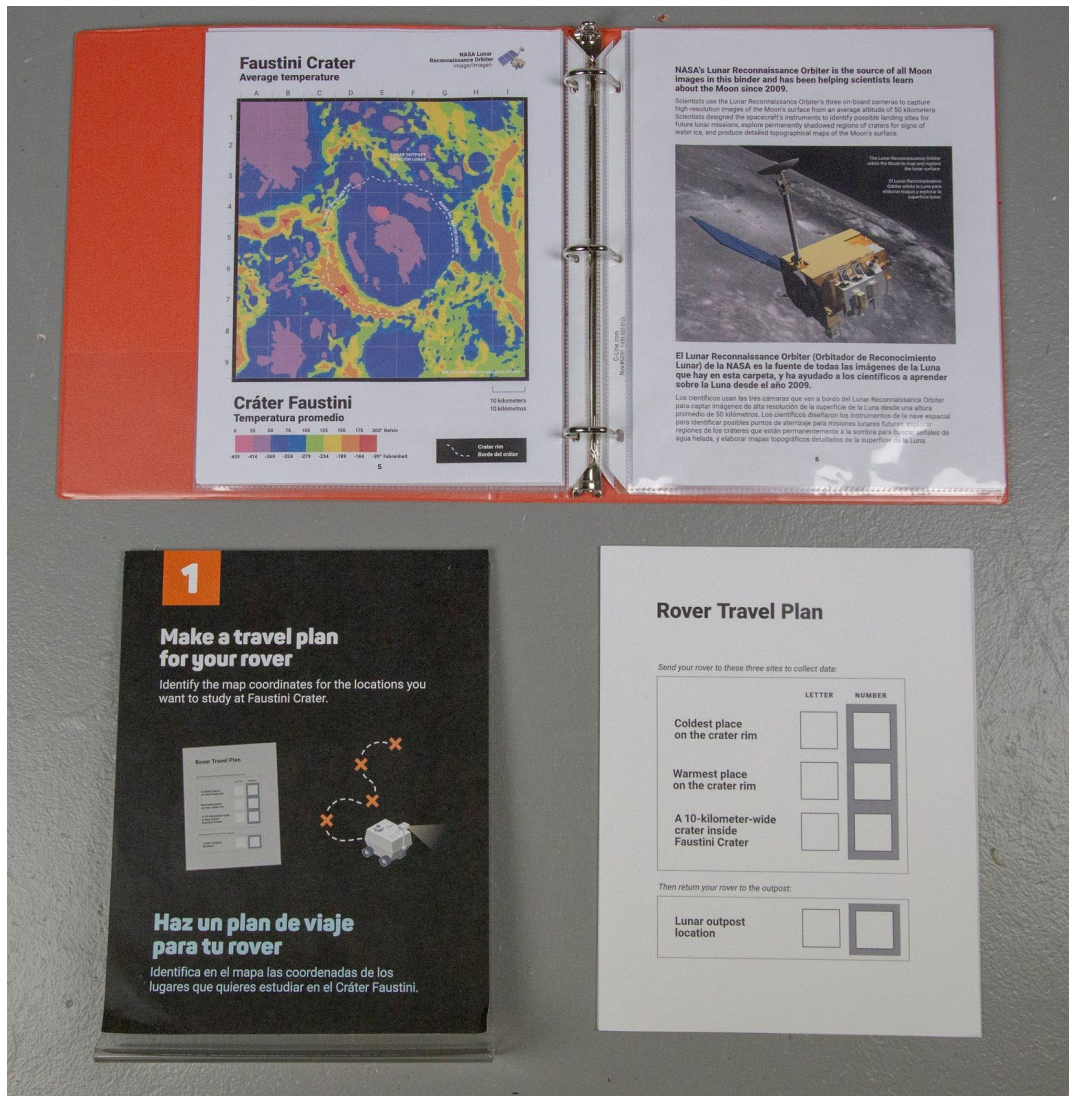
- ☐ Progress Tracker sheet (1 sheet per gameplay)
- ☐ Stickers and temporary tattoos (for Wrap-up) (should last for hundreds of gameplays)
- ☐ Command™ strips for hanging banner and welcome sign

# Moon Adventure Game

## BOX CONTENTS



## Challenge 1: Make a Travel Plan for Your Rover



### Durable Materials

- ❑ Table sign in sign holder
- ❑ 3-ring binder with Faustini Crater data maps

### Consumable Materials

- ❑ Rover Travel Plan (1 sheet per gameplay)



# Moon Adventure Game

## BOX CONTENTS

---



## Challenge 2:

### Match Rover Data to Locations on the Map



#### Durable Materials

- ☐ Table sign in sign holder
- ☐ Lunar surface map
- ☐ Buzzer (should be hidden from players)
- ☐ Locked rover cargo container, including:
  - ☐ Six data blocks
  - ☐ Envelope labeled "Seismic data locations" containing six small plastic overlays (plastic transparency sheets)

#### Consumable Materials

- ☐ None

# Moon Adventure Game

## BOX CONTENTS

---



### Challenge 3:

## Extract Water from Frozen Lunar Material



#### Durable Materials

- ☐ Table sign in sign holder
- ☐ Large bin labeled “Cold Storage” including:
  - ☐ Numerous black foam blocks - “Rocky Material”
  - ☐ Five blue wood blocks - “Icy Material”
  - ☐ Grabber tools set on or near the bin
- ☐ Small box labeled “Water Extractor,” including:
  - ☐ Three vials filled with water (inside)
- ☐ Large lipped tray (water extractor sits inside to prevent the water vials from falling onto the floor as they drop out)

#### Consumable materials

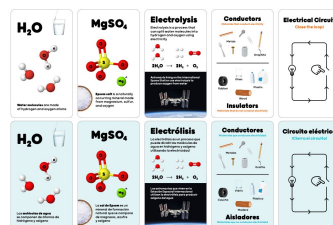
- ☐ Water for three vials (required each time you play)

# Moon Adventure Game

## BOX CONTENTS



## Challenge 4: Fill Your Oxygen Tanks



### Durable Materials

- ☐ Table sign in sign holder
- ☐ Small bin labeled “Emergency Oxygen Supply Kit,” including:
  - ☐ Test tube rack (for water vials from previous challenge)
  - ☐ Container with Epsom salt
  - ☐ Measuring spoon (for Epsom salt)
  - ☐ Graduated cylinder (for measuring water)
  - ☐ Funnel
  - ☐ Clear cup (for mixing)
  - ☐ Wooden stir stick/dowel (for mixing)
  - ☐ Two wires with alligator clips
  - ☐ Two metal washer rings
  - ☐ Instruction cards (includes electrolysis instruction cards and additional cards for next challenge)
- ☐ Bucket (for dumping waste water between groups, if you are not near a sink)
- ☐ Pitcher (for refilling the water vials between groups, if you are not near a sink)
- ☐ Cloth (for wiping down wet surfaces between groups)

### Consumable Materials

- ☐ Epsom salt (in Emergency Oxygen Supply Kit) (1 tablespoon per gameplay)
- ☐ 9-volt battery (in Emergency Oxygen Supply Kit) (should last for hundreds of gameplays)



# Moon Adventure Game

## BOX CONTENTS

---



## Challenge 5: Reconnect the Power Supply



### Durable Materials

- ☐ Table sign in sign holder
- ☐ Power board
- ☐ Power box
- ☐ Steve Spangler Energy Stick®
- ☐ Pencil sharpener
- ☐ Plastic mug with miscellaneous conductive and nonconductive items:
  - ☐ Pencil (sharpened on both ends)
  - ☐ Metal ruler
  - ☐ Alligator clips
  - ☐ Mechanical pencil
  - ☐ Metal measuring spoon
  - ☐ Telescoping magnetic retrieval tool
  - ☐ Plastic ruler
  - ☐ Rubber eraser/rubber band
  - ☐ Metal straw
  - ☐ Paper clips
  - ☐ Chopstick
  - ☐ Nonconductive emery board
  - ☐ Paint brush

### Consumable Materials

- ☐ Steve Spangler Energy Stick® (should last for hundreds of gameplays)

# Moon Adventure Game

## BOX CONTENTS

---



## Assembly and Repair Materials

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#### Durable Materials

- ☐ Scissors
- ☐ Wire stripper

#### Consumable Materials

- ☐ Black electrical tape
- ☐ Gorilla tape 1" x 30'
- ☐ Scotch Magic tape
- ☐ Hot glue gun
- ☐ Hot glue sticks (pack of 25)
- ☐ Velcro (pack of 12)
- ☐ Foil conductive tape



### Spare materials

- ☐ Welcome: Mission Control Cards (6 extra)
- ☐ Challenge 2: Data blocks (1 backup set, shipped in pack of 12 data blocks) (2 sets)
- ☐ Challenge 2: Blue Blocks (1 backup set, shipped in packs of 10 blue blocks) (2 sets)
- ☐ Challenge 2: "Seismic data locations" six small plastic overlays (plastic transparency sheets) (1 backup set)
- ☐ Challenge 2: Buzzer (3 extra)
- ☐ Challenge 2: Water vials (3 extra)
- ☐ Challenge 4: 9-volt battery (1 extra)
- ☐ Challenge 4: Instruction cards (1 backup set)
- ☐ Challenge 5: Steve Spangler Energy Stick® (2 extra)
- ☐ Challenge 5: Mechanical lugs (2 extra)

