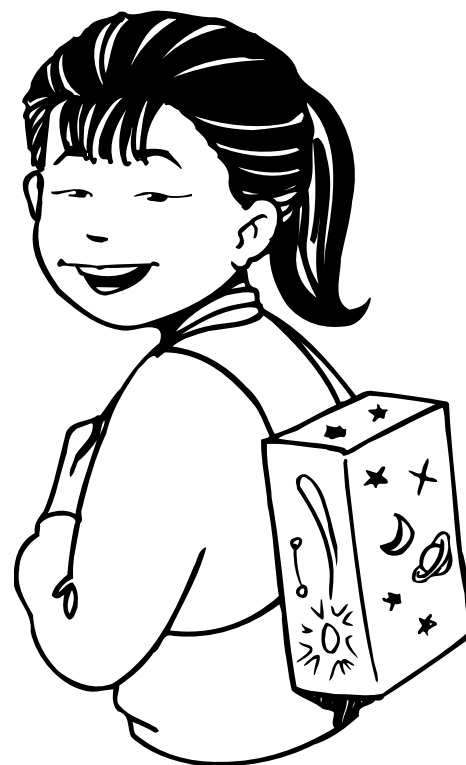


## Contents

|                             |    |
|-----------------------------|----|
| Introduction                | 3  |
| Space Shuttle               | 4  |
| Rocket Ship                 | 6  |
| Mars and the Rover          | 8  |
| Planetarium                 | 9  |
| Life-Size Stuffed Astronaut | 10 |
| Space Helmet                | 11 |
| Oxygen Pack                 | 12 |
| Paper Space Shuttle         | 13 |
| Astronaut Paper Doll        | 16 |
| Rocket Tube                 | 19 |
| Moon Craters                | 21 |
| Universe Necklace           | 22 |
| Papier-Mâché Planets        | 23 |
| Three-Dimensional Earth     | 24 |
| Paper Plate Sun             | 25 |
| Sewing Saturn               | 26 |
| Jupiter Jars                | 27 |
| Planet Pluto                | 28 |
| Star Dancer                 | 29 |
| Space Mobile                | 31 |
| Star Catcher                | 34 |
| Asteroid Painting           | 35 |
| Cloud Painting              | 36 |
| Playdough Planets           | 37 |
| Crayon Resist Skies         | 38 |
| Solar System Matching       | 39 |
| Astronaut Letter Match      | 41 |
| Rocket Ship Countdown       | 45 |
| Space Memory Match          | 47 |



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# Rocket Ship

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## Materials:

Large plastic rubbish bin, large sheets of poster board, masking tape, wool, tempera paint, sponges, shallow tins (for paint), star stickers (optional), sharp instrument for cutting (for adult use only)

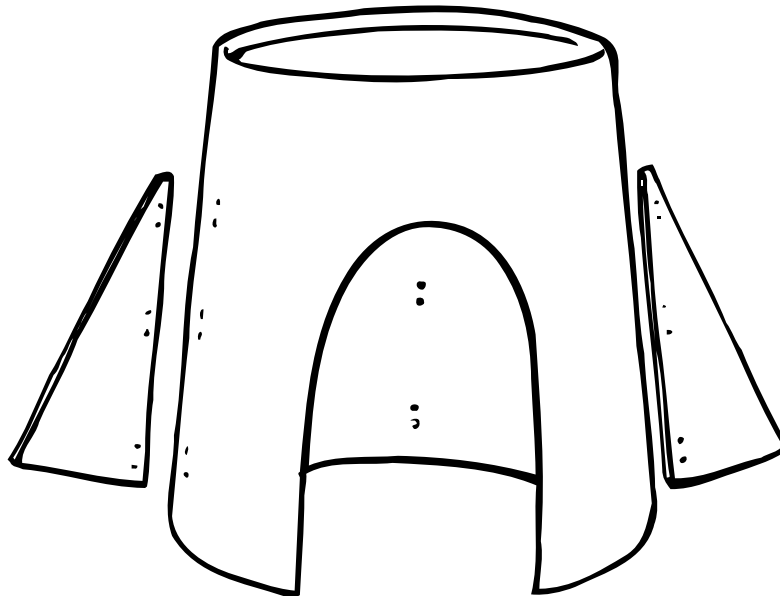
## Directions:

1. Turn the rubbish bin upside down and cut a large opening in the side.
2. Cut three large triangles from poster board for wings.
3. Tape two pieces of poster board together and cut one large circle.
4. Cut a slit to the centre of the circle, form into a cone shape and tape. This becomes the nose cone.

# Rocket Ship

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5. Punch three sets of holes along the straight edge of each wing. Punch three sets of holes in the rubbish bin for each wing and tie together according to the diagram below.



6. Punch holes in the nose cone and the rubbish bin and secure the two with wool.

7. Provide tempera paint and sponges for children to use to paint the wings and nose cone.

8. Let children decorate the rocket with star stickers.

## **Book Link:**

- *DK Reader: Rockets & Spaceships* by Karen Wallace (Penguin Books)

# Mars and the Rover

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## Materials:

Cereal boxes (one per child), large flat piece of cardboard, metal juice-bottle lids (six per child), foil, straws (six per child), tape, scissors, tempera paint (red and black), pencil, paintbrushes, combs, shallow tins (for paint), salt, flour, water, disposable bowls and spoons, small pebbles, red food colouring, ice pick or screwdriver (for adult use only)

## Directions for Rover:

1. Punch one hole in each juice lid with ice pick or screwdriver.
2. Have children wrap their cereal boxes with foil.
3. Punch three holes on each side of each foil-wrapped box with a pencil or screwdriver. (Align holes.)
4. Have each child insert three straws completely through both sides of their box.
5. Cut slits on the ends of the straws.
6. Have children put a juice lid on each straw and tape the flaps of the straws to the juice lids.
7. Have children paint the tops of their boxes black and use combs to make lines in the paint.

## Directions for Mars Surface:

1. Mix salt, flour, water and red food colouring in disposable bowls to make a thick, lumpy paste.
2. Have children coat the cardboard sheet with paste.
3. Let children add small pebbles to surface.
4. Once the surface is dry, children can use their rovers on Mars.

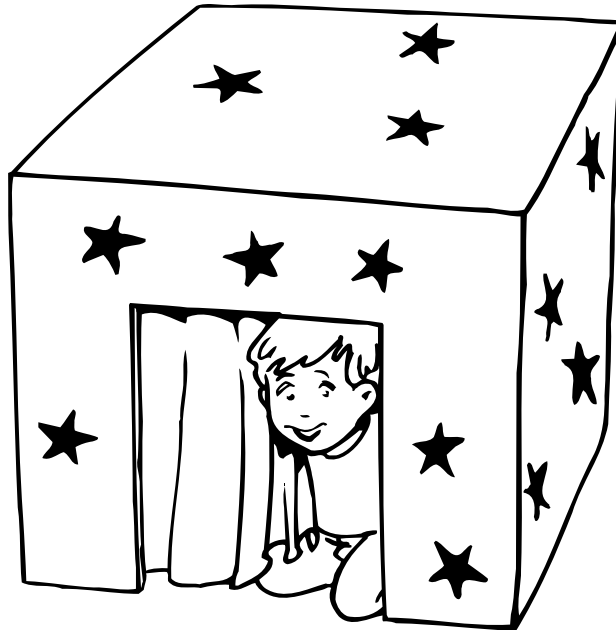
## Book Link:

- *Mission to Mars* by Franklyn Branley (HarperCollins)



# Planetarium

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## Materials:

Dryer box, black felt, black tempera paint, paintbrushes or rollers, shallow tins (for paint), glow-in-the-dark plastic self-adhesive stars and planets (available at nature stores, science stores and novelty stores), gold and silver star stickers (optional), duct tape, torches, sharp instrument for cutting (for adult use only)

## Directions:

1. Completely remove one end of the box.
2. Cut an opening on one side of the box large enough for a child to crawl through.
3. Provide black tempera paint for the children to use to paint the inside and outside of the box.
4. Once the paint has dried, provide glow-in-the-dark, plastic self-adhesive stars and planets for the children to use to decorate the inside of the box.
5. Children can use gold and silver star stickers to decorate the outside of the box.
6. Tape a piece of black felt to the inside of the box to cover the opening. This will make it dark inside the box.
7. Place the box upside down in the sunlight for an hour to activate the glow-in-the-dark stars and planets.
8. Children can use torches inside the planetarium.

## Book Link:

- *How Many Stars in the Sky?* by Lenny Hart (Econo-Clad Books)