



Manuals.plus /

› 4M /

› 4M 3D Glow-in-the-Dark Solar System Mobile Making Kit Instruction Manual

4M 5219

4M 3D Glow-in-the-Dark Solar System Mobile Making Kit Instruction Manual

Model: 5219

[Assembly](#) [Operation](#) [Overview](#) [What's in the Box](#) [Setup &](#)
[Maintenance](#) [Troubleshooting](#) [Specifications](#) [Safety](#)
[Information](#) [Warranty & Support](#)

PRODUCT OVERVIEW

The 4M 3D Glow-in-the-Dark Solar System Mobile Making Kit allows users to construct and customize a mobile depicting the solar system. This kit is designed to provide an engaging and educational experience, resulting in a decorative and informational display.

Key features include:

- Minimal assembly required with easy snap-together planets.
- Opportunity to personalize the solar system design through painting.
- Suitable for display as a hanging mobile or a static model.
- Includes comprehensive assembly and painting instructions, along with a poster detailing solar system facts.



Image: The fully assembled 4M 3D Glow-in-the-Dark Solar System Mobile, showcasing painted planets suspended from a central frame.

WHAT'S IN THE BOX

The 4M 3D Glow-in-the-Dark Solar System Mobile Making Kit contains all necessary components for assembly and decoration. Please verify all items are present upon opening the package.

- Full set of snap-together planet halves
- Hanging frame components
- String for suspension
- Two strips of paint (various colors)
- Two glow paints
- One paint brush
- Assembly and painting instructions
- Solar system fact poster

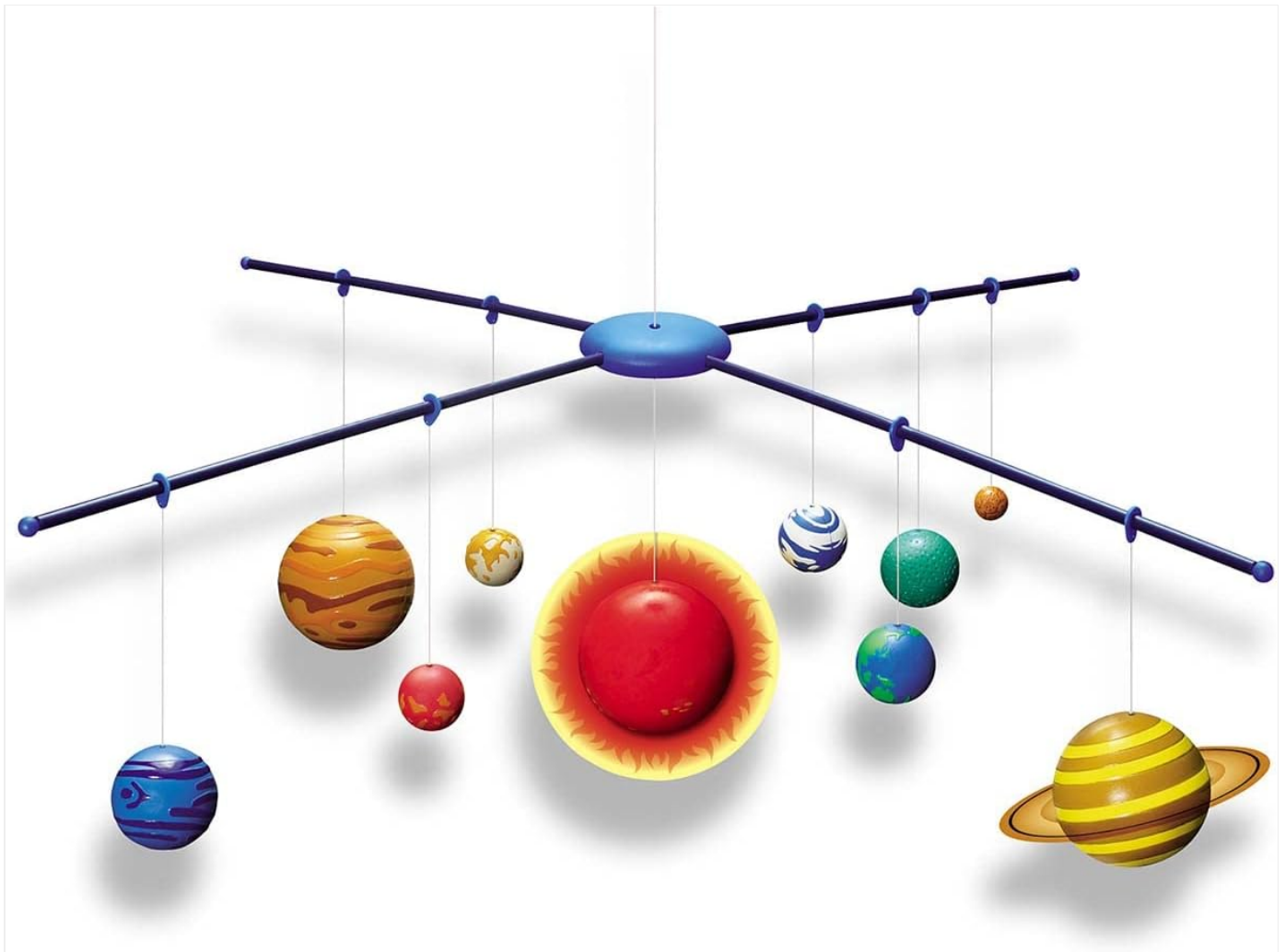


Image: All components included in the kit, laid out on a white surface, showing planet halves, paints, brush, and hanging parts.

SETUP & ASSEMBLY

Follow these steps to assemble your Solar System Mobile. Adult supervision is recommended, especially for younger users.

1. **Prepare Planets:** Carefully snap together the corresponding halves of each planet. Ensure the hanging loops align.
2. **Paint Planets:** Use the provided paints and brush to decorate each planet according to the included poster or your own design. Allow sufficient drying time between coats. Apply the glow paint as desired, noting that it may require direct light exposure to charge for optimal glow.
3. **Assemble Frame:** Connect the rods to the central hub to form the mobile's frame.
4. **Attach Planets:** Cut the string to desired lengths for each planet. Tie one end of the string to the hanging loop on each planet and the other end to the designated points on the mobile frame. Refer to the included instructions for recommended planet placement and string lengths to achieve balance.
5. **Hang Mobile:** Securely hang the assembled mobile from a ceiling hook or appropriate fixture.

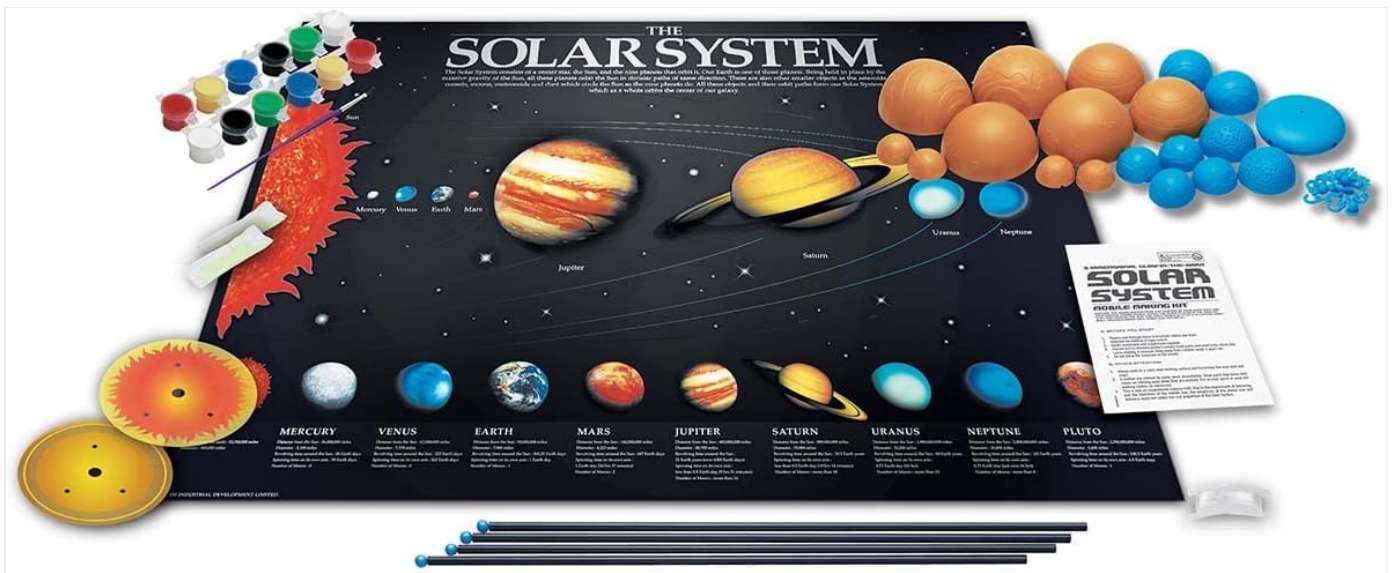


Image: Two children engaged in the assembly process of the solar system mobile, demonstrating the hands-on nature of the kit.

OPERATION

Once assembled and hung, the mobile functions as a decorative and educational display. The glow-in-the-dark feature requires activation.

- **Glow Feature Activation:** To activate the glow-in-the-dark effect, expose the painted planets to a bright light source (e.g., sunlight, lamp) for several minutes. The glow will be visible in a darkened room. The intensity and duration of the glow depend on the amount and duration of light exposure.
- **Movement:** The mobile is designed to gently rotate with air currents, simulating planetary movement.



Image: A child reaching towards the hanging planets of the mobile, highlighting its interactive and engaging nature.

MAINTENANCE

To ensure the longevity and appearance of your solar system mobile, follow these simple maintenance guidelines:

- **Cleaning:** Gently dust the planets and frame with a soft, dry cloth. Avoid using wet cloths or harsh cleaning agents, as these may damage the paint or materials.
- **Storage:** If disassembling for storage, carefully detach the planets and frame components. Store all parts in a dry, cool place away from direct sunlight to prevent fading or damage.
- **Paint Care:** If the glow paint's effectiveness diminishes, re-expose the planets to bright light. Avoid scratching or peeling the paint.

TROUBLESHOOTING

This section addresses common issues you might encounter during assembly or use.

Mobile is Unbalanced

- **Check String Lengths:** Ensure the strings suspending each planet are cut to the correct lengths as indicated in the instructions. Slight adjustments may be needed.
- **Verify Planet Placement:** Confirm that each planet is attached to its designated position on the mobile frame.
- **Adjust Hanging Points:** If necessary, slightly adjust the position of the strings along the mobile rods until the mobile hangs evenly.

Glow-in-the-Dark Effect is Weak

- **Increase Light Exposure:** Ensure the planets are exposed to a bright light source for a longer duration (e.g., 10-15 minutes) before viewing in the dark.
- **Type of Light:** Brighter, direct light (like sunlight or a strong lamp) will charge the glow paint more effectively than dim ambient light.
- **Darkness Level:** The glow effect is most prominent in complete darkness. Ensure the viewing area is as dark as possible.

Paint Does Not Adhere Well

- **Clean Surfaces:** Ensure planet surfaces are clean and dry before painting.
- **Thin Coats:** Apply paint in thin, even coats, allowing each coat to dry completely before applying the next. This prevents clumping and improves adhesion.

SPECIFICATIONS

Product Dimensions	2.5 x 14.75 x 11.5 inches
Item Weight	12 ounces
Model Number	5219
Recommended Age	8 - 15 years
Manufacturer	Toysmith
ASIN	B00007L12U

SAFETY INFORMATION

Please read and adhere to all safety warnings to prevent injury or damage.

- **Choking Hazard:** This kit contains small parts and is not suitable for children under 3 years of age. Keep all components away from infants and toddlers.
- **Adult Supervision:** Adult supervision is recommended during assembly and painting, especially for younger children within the recommended age range (8-15 years).
- **Paint Safety:** Avoid ingestion of paints. Wash hands thoroughly after use. In case of eye contact, rinse immediately with plenty of water and seek medical advice if irritation persists.
- **Hanging Safety:** Ensure the mobile is securely hung from a sturdy fixture to prevent it from falling.



Image: The STEM.org Authenticated Educational Product logo, indicating the product's educational value.

WARRANTY & SUPPORT

Information regarding product warranty and customer support is not provided in this manual. For specific warranty details or assistance, please refer to the product packaging or contact the manufacturer, Toysmith, directly.

