



# Model Design and Building Merit Badge

## Day Three Homework:

### Yo! That's my Epic Interstellar Ride

1028

1029

#### Here is the official text of Requirement 5:

5. Build a special-effects model of a fantasy spacecraft or a hand-held prop that might appear in a Hollywood science-fiction movie. Determine an appropriate scale for your design. Include a cockpit or control area, living space, storage unit, engineering spaces, and propulsion systems. As you plan and build your model, do the following:
  - a. Study existing designs of vehicles and hand-held devices.
  - b. Arrange and assemble the parts.
  - c. Sketch your completed model.
  - d. Discuss your design, scale, and materials choices with your counselor.  
Describe how you engineered your model and discuss any difficulties you encountered and what you learned.

#### Instructions:

- Decide what your interstellar ride will be and then design, sketch, and build a model using your choice of materials / scale
  - Your ride can be from a book / movie, or can be a totally new and original design
  - Note: I am open to interpreting the “hand-held prop” in the requirement text as a non-ship prop such as a laser gun or lightsaber if you would prefer that instead
- When you fill out the workbook for me, write a paragraph on
  - Why you selected this model
  - Your choice of design, scale, and materials
  - Any challenges you encountered and
  - What you learned
- Email me a picture of your model (CC a parent) to show our class
  - You DON'T have to finish it all by tomorrow (but must eventually) !!!

**To get credit for this requirement, you must email Mr. Eric your project pictures and fill out the workbook as described above.**