Materials List

For the Instructor:

*EDC* Presentation Slides for Students ready to project on a screen
Copy of *EDC Discussion Guide*
Copy of *EDC Challenge Checklist*

For each group of 4-6 children:

Assorted materials to test, such as:

- Construction paper, 30 pieces cut into 6-inch squares
- Card stock paper, 30 pieces cut into 6-inch squares
- Copy paper, 30 pieces cut into 6-inch squares
- Tissue paper, 30 pieces cut into 6-inch squares
- Cotton batting, 8-10 small pieces (may use square or round make-up pads from drug store)
- Fabric, 6-8 pieces cut into 6-inch squares

8-10 foam cups
1 LED or bright flashlight
1 Metric ruler
Copy of *Ray Shielding* student data sheets
Copy of *Design Packet*
Copy of *Media Release Form* for each participating student
Copy of *Video Criteria and Video Rubric*
Camera or video camera to document their activities
Access to laptop or desktop computers with high-speed internet connection and video editing software
Optional: 6-8 UV beads

For the classroom:

Balance or scale, if available
Gram weights or small paper clips
Laptop or desktop computer with high-speed internet connection
Computer projection and sound system

Additional resources:

NASA Exploration Design Challenge (EDC) Introductory Video: [http://www.nasa.gov/education/edc](http://www.nasa.gov/education/edc)