

Materials List & Preparation

Unit Materials List

Quantity	Item
1 per youth	Science Notebook
1 per group	Data Packets
1 per group	Landforms Handout
1 per group	Mineral Fingerprints Data Sheet
One ellipse per group	Landing Site Ellipses
1 per youth	Pencils

Preparation (1-2 hrs)

1. Read through the entire PLANETS Science Series educator guide, including the Educator Background section on pp. 8-13 to learn more about the science content in this unit. This is intended to help educators become familiar with science concepts related to Mars and remote sensing. Educators can decide which concepts and vocabulary are most appropriate for their group.
2. Print one Science Notebook for each youth, in color if possible.
3. Print one Data Packet, single-sided and in color if possible, for each group of 2-4 youth.
 - » To create the four packets needed for each group, paper clip together pp. 1-9 (CTX and HiRISE), pp. 10-14 (MOLA), and pp. 15-19 (CRISM).
 - » Note: Do not hand out all of the packets at once. They will be handed out one at a time to the groups as the lesson proceeds.



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4. Print one copy of the Landforms Handout single-sided and in color, if possible, and paper clipped together for each group of 2-4 youth.
5. Print one copy of Mineral Fingerprints Data Sheet single-sided and in color, if possible, and paper-clipped together for each group of 2-4 youth.
6. Print out one copy of Landing Site Ellipses on transparency or regular paper.
 - » Cut along the dotted lines to separate the ellipses so there is one for each group of 2-4 youth.
 - » Cut around the red oval to make individual ellipses.

Tip: Use page protectors and dry-erase markers to make the Data Packets reusable. Clasp packets together with metal rings or twist ties.