Data Literacy Cubes

The following are templates that may be used to create enlarged 3-Dimensional **Data Literacy Cubes** that are at least 3" x 3" x 3" ( ) in size. Print these template sheets on shipping labels with the following dimensions. The labels may be attached to cubes of at least 3 inches[3] ( ) in size (available wherever gift supplies are sold).

Label Description:
- Labels per 8-1/2" x 11" sheet: 6 labels per sheet
- Margin Top & Bottom, Left & Right: 0.625" on each side
- Size 3" x 3" Square; Corner Shape: Rounded or Square

There are three different types of labels available: Map Cube, Graph Cube, and Data Cube. These cubes are perfect for use in classrooms, public outreach events, etc. - anywhere you wish to engage learners in NASA Earth data in the forms of mapped images, line graphs, and data tables. Each cube template includes an icon indicating the form of data it is designed to support.

Maps   **Graphs**   **Data**

Once the cube is assembled with the six labels attached, pair it with a related dataset (map, graph, or data table). Make a copy of the leveled question sheets available for the user. On each side of the cube, you will find a question or task that engages the learner in data analysis that is connected to the related leveled question sheets. The leveled question sheets and cube templates are available for download (PDF) at the **My NASA Data** *Data Literacy Guide*. The leveled question sheets help you differentiate your engagement based on your (or the learner's) needs. See versions A-D to select the leveled question sheets.

Beginner   **Intermediate**   **Advanced**   **English Language Learner**

A   **B**   **C**   **D**

To access NASA data, visit the My NASA Data visualization tool, Earth System Data Explorer here, ***https://mynasadata.larc.nasa.gov***
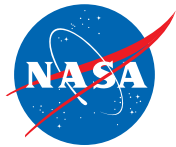
1. Summarize the data.
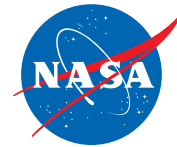
Data Cube

2. Describe the data.

Data Cube

3. Analyze the data.

Data Cube

4. Assess the data values.

Data Cube

5. Create questions using the data.

Data Cube

6. Apply the data.

Data Cube

1. Examine the graph.

Graph Cube

2. Summarize the graph.

Graph Cube

3. Analyze the graph.

Graph Cube

4. Brainstorm a question that you can answer using these data.

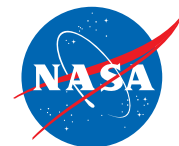

Graph Cube

5. Who would be interested in this graph?

Graph Cube

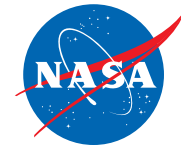## 6. Assess the data values.

Graph Cube

1. Examine the map.

Map Cube

2. Where on Earth is this map?

Map Cube

3. Summarize the map.

Map Cube

4. Analyze the map.

Map Cube

5. When were the data on this map collected?

Map Cube

6. Ask a question about the map.

Map Cube