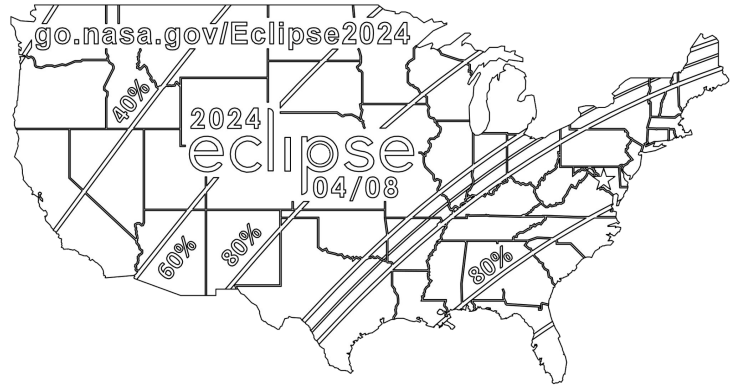
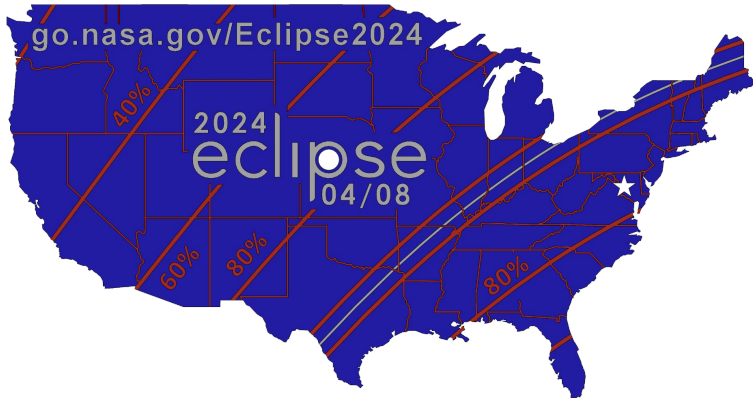




2024 Total Solar Eclipse - USA Map - NASA Pinhole Projector



Get ready for the total solar eclipse on Monday, April 8, 2024! Everyone in the 48 contiguous United States will be treated to a PARTIAL solar eclipse. The percentage of the Sun that is covered by the Moon's shadow depends on your location on the map. Observers along the path of totality of the map will experience a TOTAL solar eclipse. Celebrate this solar eclipse safely by making either your own 2D paper cut or 3D printed pinhole projector.

Included Files:

- **Activity Directions** (2024 Total Solar Eclipse - Pinhole Projector Activity.PDF)
- **2D Paper Cut File** (2024 Total Solar Eclipse - USA Map - NASA 2D Pinhole Projector.PDF)
- **2D Paper Cut File with Pinhole Size** (2024 Total Solar Eclipse - USA Map - NASA 2D Pinhole Projector - w5mm.PDF)
- **Pinhole Projector Image** (2024 Total Solar Eclipse - USA Map - NASA 3D Pinhole Projector - Image.JPG)
- **3D Print File** (2024 Total Solar Eclipse - USA Map - NASA 3D Pinhole Projector.STL)
- **1-Pager** (Pinhole Projector - One Pager.pdf)

Tech/Materials:

- For 3D Printed US Eclipse Map:
 - 3D Slicer Software
 - 3D Printer
 - Filament (1-3 colors)
- For 2D Paper Cut US Eclipse Map:
 - Paper/Cardstock
 - Printer
 - Scissors
 - Hole Puncher
 - Different Shape Hole Puncher
 - Optional: Die Cut Machine (Cameo, Silhouette, etc.)

Authors:

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