

# DIY Planetarium

*Tuesday, 2 September 2025 15:00 (45 minutes)*

Planetarium has always been a powerful learning tool to get students engaged in astronomy. However, planetariums are cost prohibitive. In this workshop, we offer a cost effective solution in which a DIY planetarium can be made using sections of triangular cardboards held together by paper clips. Participants will together learn how to construct and finish building a cardboard dome and then setting up a projector reflecting off a spheric mirror onto the dome. The spheric mirror projection can be used in conjunction with freeware such as stellarium or openspace. This system can be used to supplement classroom and education, play fulldome movies, or used as an alternative way to display or attract crowds during science week or traveling exhibit. This DIY planetarium is the same setup NARIT has been distributing to over 130 participating schools since 2022.

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**Session Classification:** Workshop

**Track Classification:** Informal Astronomy Education