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More info, contact: Pat Monteith
Email: brocktonlibrarymaker@gmail.com
Phone: 508-894-1419



Presents its newest holding...

a mobile planetarium



**System Requirements and
Policies Information**

Effective: September 2024

Mobile/Inflatable Planetarium

Policies and Requirements (Effective Jan. 2023)

Planetarium Use:

- Schools, scout groups, after-school programs, libraries, summer camps, and other civic organizations are welcome to request portable planetarium shows from the Brockton Public Library. Bookings depend on staff availability, planetarium availability, requested program, your room and audience size.
- The Planetarium is part of our “Library of Things” collections. It is “loaned” out for free with a facilitator from our Library MakerSpace to set it up and run it.

Dome Size and Room Preparation

- The 5-meter diameter dome requires a room with open floor space of *at least* 20×20 feet by 12 feet high. You must provide a room with that size, such as a gym, auditorium, or large meeting room. There must be no object hanging down that would touch the dome, such as lights, pipes, or sprinkler heads.
- ***The floor must be vacuumed/swept clean before we set up.***
- The dome has no floor, so students should plan to sit on the floor on mats that are supplied by the sponsoring organization if possible; we may be able to provide some mats. A few low chairs will be included for adults.

Space Requirements

- A quiet *indoor* room (should not be other activities happening in the room at the same time such as a Physical Ed class or library services). The dome can not be used outdoors.
- For multi-day visits, the mobile planetarium equipment must remain in a locked room.

Electrical Requirements

- The electrical components consist of a fan, video projector, amplified speakers, and a computer.
- We will need AC power within 25 feet of the dome, preferably with 2 (two) power outlets. Equipment requires a 20 Amp circuit.

Capacity (as of 1/1/2023) and Accessibility

- 1 or 2 teachers must be present during school shows. There is room for approximately 18-20 elementary school children, 1-18 middle school children, **or** 14-15 adults. At no time can we exceed 21 children plus 2 adults simultaneously.
- The dome has a zippered door for easy access without having to crawl in from the bottom.
- It is wheelchair accessible.
- The dome is made of a fire-retardant material and easily flipped up and over the group for emergency exit.

Dome Arrival, unloading and loading:

- We will arrive with the equipment approximately 75 minutes prior to the first presentation.
- Will need a place to park and unload near the building, with a ramp to wheel in the equipment; there can be no stairs from drop-off point to dome set-up site.
- Please provide 1-2 adults on the day to assist with load-in, set-up and break-down. The cases are heavy ~ 45-50 pounds.
- Need storage area for cases during event.

What we need from you

- Specific date and start time(s) for each show; allow a 45 minute block per show with a minimum 15 minute break in between each show. *You may request that we use space in the Brockton Public Library rather than your own space.*
- Topic(s) (see below). Inquire about grade-level programs available that address Next Generation Science Standards.

Flexible Topics. Astronomy & more!

- Several topics in astronomy and space science including the solar system, constellations, the universe, ISS, Mars, the Moon, Hubble Space Telescope, more
- Earth science, climate change and weather
- Human body and chemistry
- History & some cultures
- Some shows may be available in other languages