



DAWN ACTIVITY LEADER GUIDE

ASTEROID BELT MARBLE GAME

Goal:

Move all of your marbles into the inner circle.

Estimated time:

10-20 minutes

Who to do it with:

Ages: 4-10

Numbers: 2-4

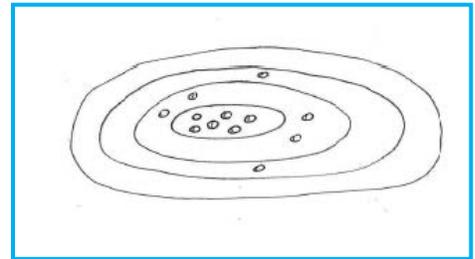
What you need:

Per Person:

- 6 marbles (these should be different from the ones used by other players)
- 1 shooter marble
- A place to play (dirt, pavement, asphalt, etc.)

How to do it:

1. Draw four circles, one inside the other in the dirt or on the pavement.
2. Each player places:
 - a. 3 marbles in the inner circle
 - b. 2 marbles in the second circle
 - c. 1 marble in the third circle
3. The first player takes a turn by using their shooter marble to try and knock their marbles into the inner circle.
 - a. If they hit any of the marbles, then they can take another turn.
 - b. If they miss, then the next person can take a turn.
4. The winner is the first player to move all of his/her marbles to the inner circle.



Tip: For older students, more advanced rules can be used. For example:

If you miss a marble, you must shoot from the next circle out.

You can use your shooter to knock the other players' marbles out of the inner circle.

Why do it:

A simple game to play for younger audiences. This activity was adapted with permission from the *Space School Musical Activity Guide*. For more ideas, and the entire guide visit <http://discovery.nasa.gov/musical/index.cfm>.