

EXPLORING THE UNIVERSE

Expanding Universe

Is there a center? Is there an edge?





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Try this!



Find a group of four people. With each person holding a handle, work together to evenly pull the four-way elastic bands outward in all four directions. What happens to each of the galaxy buttons? How do they spread out across the board? Slowly release the elastic bands back toward the center.



Use the grey and black circles to figure out how far the buttons move. For each of the elastic bands, line one of the galaxy buttons up at the third circle from the center, and one at the sixth circle.

Try pulling the bands out again. Can you make the galaxies from the third circle move to the sixth circle? Where do the outer galaxy buttons fall? Did the galaxies move away from the center at the same rate?