

Lesson 15 Instructions for "Highs and Lows Chart"

Group project (groups of 4)

1. Beginning with a calendar date that corresponds with the new moon phase, use the information on a tide chart to graph the high and low tides in feet for a month cycle. If you notice a blank space or a space that says none, repeat the footage of the last low or high. For example: a low tide said, "1.1 ft" and the data for the next low tide showed a blank space, "none," "nc," "no change," or something similar; graph that tide as a "1.1 ft" tide.
2. Use 4 sheets of paper, which will allow for enough spaces to do a moon cycle. Find the new moon date. Have the first student start their graph with that date, numbering across the top the dates for 9 days, then the next student can pick up on the 10th day, and so on. Once the full cycle has been graphed, cut and tape the graph side by side to see the complete moon tidal cycle.
3. Put the Date of your tide calendar: Month, days, and year of the cycle you are graphing in the space at the bottom of your tide chart.