



**Subject/course:** \_Math\_\_\_\_\_ **Grade level(s):** \_7\_\_\_\_\_  
**Unit title:** Statistics and tragedy of the commons: Mini Lesson on double line graph and percent of change

### Mini lesson on double line graph and percent of change

**Materials:** humpback whale graph activity sheet, graph paper for each student, pencils, colored pencils

**Procedure:**

- 1) Hand out one activity sheet and a piece of graph paper to each student (have pencils and colored pencils available for use)
- 2) Put copy of sheet on document reader to show on smart board
- 3) Have sts draw (while teacher draws on smart board) x and y axes, determine an appropriate scale, label x and y axes, graph the humpback whale data(in colors), create a key, and finally add a title.
- 4) As a class, using the formula: **amount of change divided by original amount**, determine the percent of change from each interval (1985-1990) (1990-1995) etc. Then find a percent of change from beginning to end. Make sure to have students determine if it is a percent increase or decrease.