**Student Activity Guide: Searching and Sorting Guide** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 2 Lesson 5

TO DO: A set of POGIL-like worksheets that write out some novel searching and sorting algorithms in the context of playing cards to practice analysis. Should derive running times of O(1), O(lg n), O(n), O(n\*lg n), O(n^2)

Sheet could have them make a guess analytically and then test out using widget empirically.