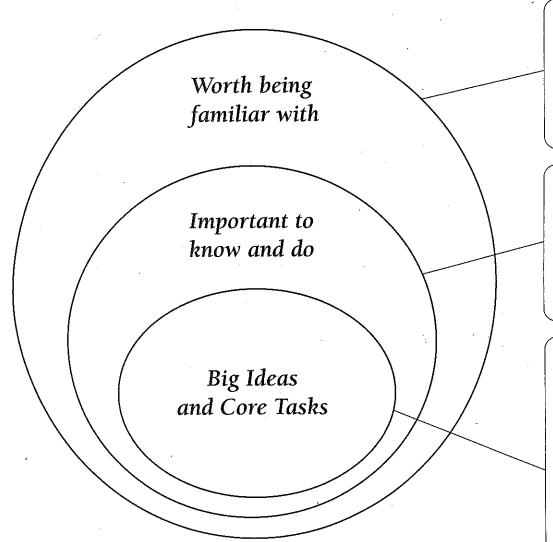
Figure 3.3

Clarifying Content Priorities



Familiar with

- Key figures who contributed to the development of modern statistics (Blaise Pascal and Lewis Terman)
- All nonessential terminology, for example, interquartile range (no need to be able to define these)

Important to know and do





- Measures of central tendency: mean, median, mode, range, standard deviation
- Data displays: bar graph, line plot, box and whiskers plot, stem and leaf plot
- · Various statistical formulae and techniques

Big Ideas



 "Average," range, degrees of confidence, lying with statistics, valid model, reliable data

Big Ideas framed as Understandings

- Statistical analysis often reveals patterns that prove useful or meaningful
- · Statistics can conceal as well as reveal
- Abstract ideas, such as fairness, can be modeled statistically

Core Tasks

- Choosing the appropriate measure of central tendency in various real-world situations
- Critique of real-world statistical analyses and misleading graphs