|  |  |  |  |
| --- | --- | --- | --- |
| It is expected that students can . . . | Emergent  | Proficient  | Master |
| **Data Analysis - Collect, display and analyze data to solve problems** |  |  |  |
| Describe the effect of: • bias • use of language • ethics • cost • time and timing •privacy • cultural sensitivity on the collection of data. [C, CN, R, T] [ICT: F4–3.2, F4–3.3] |  |  |  |
| Select and defend the choice of using either a population or a sample of a population to answer a question. [C, CN, PS, R] |  |  |  |
| Develop and implement a project plan for the collection, display and analysis of data by: • formulating a question for investigation • choosing a data collection method that includes social considerations • selecting a population or a sample • collecting the data • displaying the collected data in an appropriate manner • drawing conclusions to answer the question. [C, PS, R, T, V] [ICT: C1–3.5, C4–3.1, C6–3.1, C6–3.2, C7–3.1, C7–3.2, P1–3.4, P2–3.1] |  |  |  |
| **Chance and Uncertainty - Use experimental or theoretical probabilities to represent and solve problems involving uncertainty.** |  |  |  |
| Demonstrate an understanding of the role of probability in society. [C, CN, R, T] [ICT: F4–3.3] |  |  |  |

Statistics and Probability