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| 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