

Essential Questions**Why?**

1. What is the meaning of a confidence interval?
2. How do we calculate margin of error?
3. What is the importance of significance testing?

Enduring Understanding

Students will be able to utilize inference to interpret the meaning of data.

MCPS Indicators and Standards**What?**

1. Define and discuss the meaning of a confidence interval.
2. Discuss the meaning of margin of error.
3. Construct the confidence interval for a population mean.
4. Choose an appropriate sample size for a desired margin of error for a confidence interval.
5. Discuss the logic of significance testing.
6. Use statistical methods to test a hypothesis.
7. Discuss the uses and abuses of significance tests.

