

Unit 3: Analyzing Patterns

Content Area: **Mathematics**
Course(s): **Advanced Placement Statistics**
Time Period: **January**
Length: **30**
Status: **Published**

Career Readiness, Life Literacies & Key Skills

WRK.K-12.P.4	Demonstrate creativity and innovation.
WRK.K-12.P.5	Utilize critical thinking to make sense of problems and persevere in solving them.
WRK.K-12.P.8	Use technology to enhance productivity increase collaboration and communicate effectively.
WRK.K-12.P.9	Work productively in teams while using cultural/global competence.

Modifications

ELL Modifications

- Focus on domain specific vocabulary and keywords
- Offer resources for specific topics in primary language (Youtube web resources)
- Provide formal and informal verbal interaction to provide practice, increase motivation, and self-monitoring
- Tutoring During Delsea One
- Use real objects when possible

IEP & 504 Modifications

- Model and show lots of examples
- One-to-One Tutoring
- Provide students with content vocabulary prior to teaching a lesson that contains that vocabulary (pre-teaching)
- Reduce homework length to just those most important for review
- Tutoring During Delsea One

G&T Modifications

- Encourage students to explore concepts in depth and encourage independent studies or investigations
- Provide additional rigorous challenge problems for advanced students
- Use effective questioning techniques (focus on what's important, provide processing time, require

higher order thinking)

- Utilize inquiry based learning

At Risk Modifications

- additional help during tutoring/Delsea One/Academic Enrichment
- modeling and showing lots of examples
- outlines & graphic organizers
- study guides
- visuals

Alternate Assessments

Performance tasks

Project-based assignments

Problem-based assignments

Presentations

Benchmark Assessments

Skills-based assessment- math practice

Technology

- collegeboard.com online classroom
- google classroom
- <https://kahoot.com/>
- <https://www.khanacademy.org/math/ap-statistics/ap-statistics-practice>
- <https://www.khanacademy.org/math/statistics-probability/sampling-distributions-library>
- <https://www.khanacademy.org/tag/confidence-intervals>
- <https://www.youtube.com/watch?v=bFefxSE5bmo>
- <https://www.youtube.com/watch?v=faM8upJa-Ns>
- <https://www.youtube.com/watch?v=oDw6mbeDy-M>

- <https://www.youtube.com/watch?v=StwQcxwLoZA>
- <https://www.youtube.com/watch?v=TQl-wq2t-cU>
- https://www.youtube.com/watch?v=u6fUod_UZgY
- <https://www.youtube.com/watch?v=vrod7OscpC4>
- quizlet.com
- ti-nspire: confidence interval activity
- ti-nspire: one sample t-test
- ti-nspire: one sample z-test
- ti-nspire: population proportion

TECH.8.1.12.D	Digital Citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
TECH.8.1.12.D.CS2	Demonstrate personal responsibility for lifelong learning.
TECH.8.1.12.E	Research and Information Fluency: Students apply digital tools to gather, evaluate, and use information.
TECH.8.1.12.E.1	Produce a position statement about a real world problem by developing a systematic plan of investigation with peers and experts synthesizing information from multiple sources.
TECH.8.1.12.E.CS1	Plan strategies to guide inquiry.
TECH.8.1.12.E.CS2	Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
TECH.8.1.12.E.CS3	Evaluate and select information sources and digital tools based on the appropriateness for specific tasks.
TECH.8.1.12.E.CS4	Process data and report results.