

MATH:

Understanding Frequency, Pitch, and Measurement

Students apply **algebra and geometry** to calculate **string tension, pitch relationships, and frequency ratios**. They explore **scale models** and analyze **sound wave equations**, reinforcing key **ACT Math skills** such as problem-solving and data analysis.

ACT Math Rating Scale – Frequency & Measurement

- **(16-19):** Basic understanding of ratios and unit conversions
- **(20-23):** Developing proportional reasoning and measurement analysis
- **(24-27):** Proficient in applying scale models and data analysis
- **(28-32):** Strong algebraic reasoning in real-world physics applications
- **(33-36):** Advanced problem-solving in sound wave calculations