

Lesson 13: Practicing Math

Objective:
Students will explore different websites for practicing and reviewing before math standardized tests to determine which they like best.
Overview:
Students will create free user accounts on the Expil and Khan Academy websites and will log into these sites to access mathematics materials.

Lesson preparation:	Activity
<p>Teacher and students will need access to the internet.</p> <p>Open the PowerPoint for Lesson 13. Print copies of the Lesson 13 pre-test and post-test.</p> <p>Go to http://aspirations.sparc37.com/ and click on the Academic Record link at the bottom. Find the links labeled "Math Practice" and "Khan Academy." These are the links students will explore in this lesson.</p>	<p>Distribute copies of the pre-test, ask students to complete, and collect pre-tests. The pre-test will let students know what they should learn from this lesson.</p> <p>Review the PowerPoint with students. You may need to revisit slides as you conduct the lesson activities.</p> <p>Go to http://aspirations.sparc37.com/ and click on the Academic Record link at the bottom. Find the links labeled "Math Practice" and "Khan Academy." These are the links students will explore in this lesson.</p> <p>Distribute copies of the post-test, ask students to complete, and collect post-tests. Compare pre- and post-test results.</p>

Suggestions for Differentiation:	Discussion:
<p>These web resources use adaptive features to adapt to the needs of the students. Students will be lead to work at their own pace.</p>	<p>Explain to students that the "Benchmark" for being college ready in math for non-STEM majors is 22 on the ACT math section. Scoring a 22 requires a good understanding of arithmetic and basic algebra concepts. They do not need "higher math" to score a 22. So, they should practice and study these basic concepts for understanding if that is what Khan Academy or other adaptive lessons recommend for them.</p> <p>Students who want a STEM career, or to major in a STEM field in college will need to score higher than 22 on math ACT. They can increase their ACT scores also by studying some more advanced concepts using these resources.</p>