

The Rome High School Story

Cogent Education’s Interactive Cases Aid Rome High School in Meeting the Requirements of the New Science Standards

Rome High School

Rome High School is a Title 1 school located an hour northwest of Atlanta in Rome, Georgia. It was named a “Best High School in America” by U.S. News & World Report in 2013 and ranked 4th in SAT scores out of 185 districts in Georgia.

School Profile

Students: 1455

Grades: 9-12

Suburban

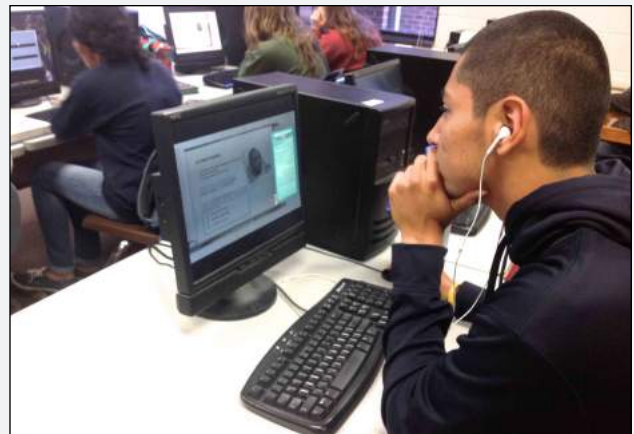
<http://www.romehighwolves.net>

Student Population

- 3% Asian
- 5% Multiracial
- 23% Hispanic
- 33% African-American
- 35% Caucasian

Preparing Students for College or Career

With the adoption of the new Science Standards, Rome High School has shifted from teacher-centered to student-centered instructional practices; focusing on what it really means for students to be college and career ready. Students are spending more time analyzing, discussing, and writing in a more in-depth way. They are thinking critically in ways they have never thought before.



Seeing Things Not Visible in Textbooks

Ms. Amerman is a flipped classroom teacher, which gives her time to explore deeper learning opportunities and maximize the face-to-face time in the classroom. Her science class is always moving and typically very engaged. However, many of her students don’t have music or art at school, so visual learning is extremely helpful for her students.

“All my students are engaged, but they’ve never seen anything like this before. Some of them have never seen an animation of what the inside of a vein looks like or a red blood cell. They almost have no words.”

- Ms. Holly Amerman, Science Teacher



The Filtration (Homeostasis) Interactive Case

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Real World Interactive Cases Provide Relevance To Students

In the Filtration Interactive Case, students take the role of a physician's assistant who must help a young man, named Anthony, who has Type II diabetes and high blood pressure. He has been feeling sick, has swollen feet and pain in his extremities. To determine the cause, students must become familiar with the key elements and must predict a treatment option which will work best.

Ms. Amerman likes that her students can relate to the Interactive Cases. Specifically, she finds that her students enjoy the Filtration Interactive Case because many of them know someone who is on dialysis or has diabetes. They are shocked by the process, but appreciate that they can learn how the procedure works.

“Now I can explain this to her!”

- A student with a grandmother on dialysis



“The Interactive Cases are far better than other pen and paper and online case studies I’ve used before. The realistic scenarios and amazing animations make them both interesting for students as well as something they can learn from more easily.” - Ms. Holly Amerman, Science Teacher



Monitor Students in Real Time

Teachers have access to a built-in formative assessment tool called SABLE. SABLE is defined as a Skills and Assessment Based Learning Environment. SABLE monitors students' critical thinking skills in real time and identifies personal strengths and areas of difficulty for individual students. It allows teachers to correct misconceptions and ensure understanding of the material as they are learning, rather than having to wait until an assessment.

“I love SABLE and feel that it’s superior to other student interaction activities I’ve used in the past. The ability to interact immediately with students based on real time information about their answers is an amazing resource for a teacher. It is not often that we are able to evaluate our students’ understanding of a topic as they are learning it.” - Ms. Holly Amerman, Science Teacher (Pictured above with her students)