knowre   PRODUCT   ABOUT   LOG I

Knowre for Math Intervention

The Challenge

Rosalind Kline teaches Tier 2 math classes and acts as an intervention specialist at Hinsdale South High School in Darien, Illinois. Students identified as Tier 2 or Tier 3 ha significant deficiencies in their foundational skills that prevent them from being successful in math classes.

Past experiences working with online intervention tools for these students led to frustration. These programs would only reteach concepts through written explanation showing the same video over and over again, which was neither engaging nor helpful for the Tier 2 and Tier 3 math students. They needed a program that could break t concepts down into more manageable pieces, and provide corrective instruction rather than simply repeating the same initial instructions.

As a result of her experience and new role as a math intervention specialist, Rosalind took the initiative to seek out an interactive program that would provide her stude corrective instruction.

The Solution

How did you evaluate Knowre for use with your Tier 2 and Tier 3 students?

When I initially came across Knowre, my first reaction was that the program looked fun! After reading Knowre's White Papers, it was like a lightbulb went off in my head. students really needed was a program that provided corrective instruction on algebra building blocks that prepared them to master top-level concepts. It seemed like K might directly meet that need.

I decided to evaluate Knowre through a trial. My main objective for the trial was to see how my students, who are normally very averse to trying anything new, would en the program. The result – they loved Knowre! Our experience with Knowre last year was incredible. My students made significant gains on their MAP scores. My principa the data, which then prompted the district to ask for a presentation. Knowre was spreading like wildfire. As a result of the success in my classroom, Knowre was made a for all Tier 2 intervention classes across the district for the 2016-2017 school year!

How do you implement Knowre in your classroom?

I dedicate one class period (50 minutes) per week to Knowre. Students work independently on lessons that line up with what I'm currently teaching in class. If they don't lesson in class, they must finish it for homework. Using the real-time data in the Teacher Dashboard, I am able to identify which questions the majority of the class is str with. We then go over the problem as a class on the projector.

I also use Knowre with students that come to me to for help before class, after class, and during study hall. I choose and assign them lessons from across Knowre's four as "MAP Gap" work. Because these lessons are not currently being taught in class, the goal is to help students review and reinforce previously taught lessons and skills.

How are your students engaging with Knowre?

First of all, Knowre's interface is very intuitive. My students were able to get started right away and I did not have to train them at all. Knowre's achievement system, whic rewards students up to three in-program "coins" for correctly answered questions, helps with student engagement. I am also able to maximize engagement by holding " competitions." I offer students prizes based on how many coins they have earned.

Students become very competitive over earning coins, which is a joy to see! They'll get excited and start yelling at the computer and at "the man" (Knowre's math coach, if they lose coins. Luckily, Knowre always offers students the option to retry a question with different values so that students have the opportunity to earn all three coins question. It's great way to motivate students to answer questions correctly and encourage them to retry problems if they didn't get it the first time.

The Result

How has Knowre impacted you or the way you teach your math classes?

Knowre allows me to shift time away from my traditional classroom practice in favor of student-directed learning. 20% of my direct instruction time (one day a week) ha replaced with students working independently on Knowre.

When students are struggling with a problem, they know to use Knowre's Walk Me Through feature, which breaks problems down into their more manageable sub-skills before asking me for help. I further cultivate independent learning skills in class by encouraging students to work with their neighbors and by asking leading questions i going straight to the answer.

content that will have the greatest impact on addressing their knowledge gaps.

How has using Knowre impacted your students?

My students showed tremendous growth in their MAP scores over the course of the 2015-2016 school year with an average growth of 10.56 points. There wer
students whose growth was greater than 14 points, including 4 students in the 20-point range. Students are incredibly motivated by Knowre and are very eager t
their progress. They saw true results from their efforts reflected in their MAP score progress and that made them want to work even harder.

What advice would you give to another teacher just starting to use Knowre?

If you are just starting out with Knowre, definitely play around with the lessons and look at the questions before assigning them to students. Keep in mind, though, that
students completing entire lessons instead of cherry-picking questions will enhance Knowre's reporting features. To make lab days more effective (you only have so mu
per week!), be aware of and anticipate challenges and questions that may arise. This might include students forgetting passwords (you can reset them yourself in the Te
Dashboard) or questions about how to earn coins.

Is there anything else you'd like to share?

If I could sum it up in one sentence, "Knowre has changed the face of Tier 2 classes across our entire district."

"My students showed tremendous growth in their MAP scores over the course of the 2015-2016 school year with an average
of 10.56 points."

Rosalind Kline, Secondary Math Teacher & Intervention Specialist , Hinsdale South High School

Hinsdale South High School Quick Facts

- Location: Darien, IL
- 9-12 Public School
- 1,526 Students
- 27.9% of students on free or reduced lunch

Computing Capacity

- 1:1 Chromebooks
- Computer Labs

Knowre Implementation

- Intervention

Learn More

Join us for a live demo to learn how Knowre
can help your intervention students succeed.

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