Success Story

Ohio High School Science Teacher Relies on *Glencoe Biology* for Results

Newark, Ohio

Overview

Newark Catholic High School is a private school located in Newark, Ohio that is operated by the Roman Catholic Diocese of Columbus. Newark Catholic has a reputation for highly competitive State Proficiency Tests and College Board scores, and roughly 97% of its students go on to pursue a college education.

Amy Vohsing is the Science Department Chair and a Life Science teacher at Newark Catholic. She has been teaching for 38 years and has been using *Glencoe Biology* programs for 15 of them.

"I love *Glencoe Biology*, because it allows me to differentiate for all levels of students successfully," says Vohsing. "The curriculum gives me the option to present a concept very simply or to go into great detail on a given topic, which makes it accessible for everyone, from struggling students to honor students."

Implementation

Vohsing does not remember exactly how she began using *Glencoe Biology*, but she has been loyal to the program since 2002.

"I can update or change my materials every eight years, and I continue to choose *Glencoe Biology* because it keeps pace with what I need," says Vohsing. "*Glencoe* covers what's new in biology, not just what's new in education. That helps me stay current."

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>
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> Science Department Chair and Life Science Teacher
> Newark Catholic High School

Vohsing especially loves the *Develop the Concepts* instructional prompts found throughout the chapters in *Glencoe Biology*. The prompts help teachers correct student misconceptions and integrate seamlessly with the content. "I love those pointers", says Vohsing.

"I also like to do *Launch Labs* between chapters to bounce ideas off of students before we delve into the content. That allows them to take a breath and warm up." *Launch Labs* are found at the beginning of each chapter and provide a hands-on introduction to the subject matter.

Student Engagement

Students in Vohsing's classes do not need to worry about carrying the *Glencoe Biology* textbook back and forth to school. Every student has a copy to keep at home, and Vohsing provides a classroom set for easy reference.

"Some students say that I outline the chapter so well for them, they don't need the book," says Vohsing. "I can do that because I use the teacher's edition religiously. It follows a natural progression, making it easy for me to [guide] students through the content."

Vohsing regularly uses many of the other resources in *Glencoe Biology*, such as *Mini Labs*, which are quick activities that build inquiry and problem-solving skills.

"My students really enjoy the *Mini Labs*," says Vohsing. "The labs stress critical-thinking and encourage students to put what they've learned into action in the real world."

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She adds that *Glencoe Biology Reading Essentials* is critical for helping her differentiate the material. "To understand biology, you have to understand its vocabulary," she says. "*Reading Essentials* provides an overview and reinforces key terms for those kids who are a little behind, and it helps those who feel more confident with the topic review before exams."

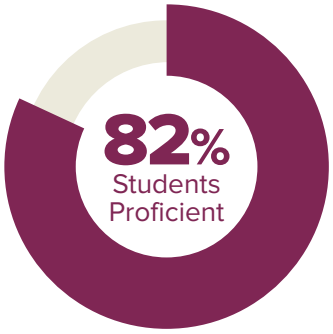
Vohsing appreciates being able to provide leveled readers to struggling students who are a few grade levels below the rest of the class.

"Some of my students are at a very basic level while others are ready for biology application," says Vohsing. "With *Glencoe Biology*, I can simplify as needed to help everyone keep up."

Other resources within *Glencoe Biology* that Vohsing likes are the *BrainPOP*® videos, which she uses when presenting more difficult material. "*BrainPOP* videos are short, entertaining movies that help clarify harder topics. They engage students and help me get more complex ideas across."

Ohio State Biology Test

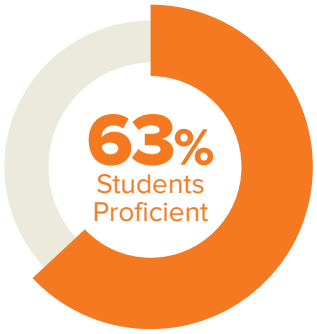
Vohsing's Biology Class Results for the 2016-17 School Year



Newark Catholic High School

[66 Students]

Ohio State Biology Test Results for the 2016-17 School Year



Ohio Department of Education

[141,130 Students]

Results

Last year, 85% of Vohsing's students passed the Ohio State End-of-Course Assessment Test in Biology. This year, 82% of her students were proficient. The Ohio state average for proficiency is 63%.

Percent by Performance Level					
Organization	Limited	Basic	Proficient	Accelerated	Advanced
Newark Catholic High School	3	15	36	15	30
Ohio Department of Education	19	17	27	10	27

"I'm thrilled with the results," says Vohsing. "This is why I've been using *Glencoe Biology* for 15 years, and why I'll continue to use it."

The Future

Vohsing says her basic goal is always to help her students meet state standards, and she has shown that *Glencoe Biology* can help her do that.

"In two years, I'll have the option to choose a new program, and I plan to get the *Glencoe Biology* book again," says Vohsing. "There are so many resources available to me—that's what I love about *Glencoe Biology*. Every time I go to a conference, I want to hug my McGraw-Hill Education rep, because the program makes teaching so much easier."

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About *Glencoe Science*

Glencoe Science for grades 6–12 helps to ease the transition to next generation science with curricula that promote inquiry and real-world problem solving. This comprehensive program includes *Glencoe iScience* for middle school grades 6–8 and *Glencoe High School Science* for grades 9-12. For complete details on all *Glencoe Science* programs, visit www.mheonline.com/glencoescience