

WHY INFORMATION TECHNOLOGY?

Computer Systems Analyst and Software Developer rank among the top 10 “Best Jobs”¹

Over 1,000,000 computer programming jobs will go unfilled by 2020²

Developers of software earn (on average) over \$92K/yr³

Extremely rewarding work with high compensation

COLLEGE IN THE CLASSROOM

Concurrent enrollment provides students the opportunity to enroll in postsecondary courses, earning college credit free of charge, while in high school.

Each concurrent enrollment course conforms to the academic standards and outcomes set forth by the Colorado Community College System (CCCS).

¹ U.S. News & World Report's annual “Best Jobs Rankings”

² Code.org, <https://code.org/promote>

³ According to the Bureau of Labor Statistics

JAMES COLESTOCK

CTE EDUCATOR

Teaches a variety of CTE courses, from Accounting to Web Development, that prepare students for the workforce.



Has multiple CTE endorsements—Information Technology and Business—which allows him to teach courses for college credit; he is also qualified to teach Social Studies.

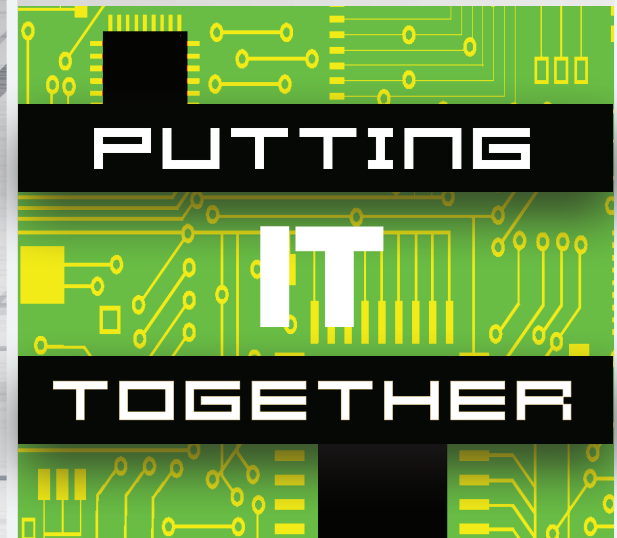
ABOUT THE TEACHER

James Colestock spent over 15 years working in the field of Information Technology as a Database Administrator, Developer, and Architect. He has worked on countless technology platforms and has multiple IT certifications from Oracle and Microsoft.

While working in nearly every sector of the economy, he acquired first-hand knowledge of the technical and “soft” skills needed to achieve success in a STEM-related job.

Since segueing into education, he has brought the “real world” into the classroom and continues to share his passion for connecting students with futures in Business and Information Technology.

CONNECTING STUDENTS
WITH FUTURE CAREERS IN
INFORMATION TECHNOLOGY



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GAME DEVELOPMENT

Developing video games teaches students real-world relevant, 21st century technical skills.



Not only do students learn the software development lifecycle in a hands-on way, but they also reinforce fundamental

concepts from their other classes, e.g., Math and Physics.



CULTURE OF NERD

Students develop a positive view of technology and its place in our society by exposure to popular culture, e.g., movies, TV shows, documentaries, etc., that focus on “nerds” and how these former outcasts are shaping our ever-changing world.

WEB DEVELOPMENT

After exploring the inner workings of the Internet and the WWW, students learn HTML, CSS, and JavaScript in order to build attractive, responsive websites for real-life clients.



PROGRAMMING

Students learn Computer Science fundamentals by programming in multiple languages, e.g., Java, C, Python, Scratch, Ruby, Lua, etc., using a variety of tools and platforms.

Coursework focuses on the use of computational thinking—a way of solving problems, designing systems, and applying our understanding of human behavior—to build high-quality solutions.

