



---

Agriculture - Biotechnology - Engineering - Health - Principles of Technology - STEM

---

## **Inquiry- Based Instruction**

### **COMBINING NEW KNOWLEDGE WITH REAL-WORLD SKILLS**

As part of developing Ohio's new Career Field Technical Content Standards and listening to our business partners in development of these standards, it became very clear that we made sure we added what they referred to as "Business Processes" as well as inquiry-based instruction to each of our Career Pathways outcomes.

Pitsco Suites utilizes inquiry-based instruction for learning and applying core content skills in the real-world context for Ohio's Career Pathways by placing both student and curriculum in a real world setting with real-world expectations. Students apply what they learn, work as a team, employ problem solving, and demonstrate newly acquired leadership skills. Students should be engaged in Science, Technology, Social Studies, Language Arts and Math as applied to Ohio's Career Pathways just as professionals do in the real world of job skills. Pitsco Suites should challenge students to solve real-world problems that require math, science and language arts skills applied in a way that allows them to take their daily lessons presented into real-world career context for each of Ohio's Career Pathways.

Pitsco Suites allows students to be engaged in real-world skills such as teamwork and problem solving in any given Career Field. Students engage in team activities gaining knowledge in any given Career Field of their choice allowing the students to gain the following:

### **KNOWLEDGE**

---

-The first interval of learning provides the Pitsco Suites team with a knowledge base that they will apply during the rest of the Pitsco Suites practice. Students work in teams using curriculum and resource materials to gain a strong understanding of their Career Field content they have chosen to become part of.

## TEAMWORK

---

-The second interval the Pitsco Suites team is presented a topic-related challenge. The challenge should be solved as a team, using the resources available in the Career Field they have chosen. The Pitsco Suites team must combine the specialized knowledge they learned in Interval 1 to develop an action plan to solve the challenge. They should brainstorm, sketch out ideas, and work together to find the best solution.

## APPLICATION

---

-The third interval the Pitsco Suites team applies the knowledge they gained during interval 1 to the team's challenge solution outlined in Interval 2. The Pitsco Suites team now develops the action plan to solve the team challenge. Students use the unique tools and skills their curriculum and resources have provided to them to help contribute to the completion of the team solution and develop a business plan.

## PRESENTATION

---

-The fourth interval of Pitsco Suites brings the entire team together to prepare and deliver a presentation the outlines the team's solution and serves as proof of their learning experience. Interval four is the culmination of weeks of teamwork, problem solving, and resource experiences. The team must be ready to present the final result, whether done in a PowerPoint slide show, a talk augmented by charts and graphs, or a full multimedia presentation, the final presentation is created and presented by entire team.

Ohio Pathways defines inquiry-based learning as instructors creating an environment in which students are free to ask questions, learn concepts, and explore possible solutions within real-world, project-based context. Inquiry-based units are structured around an open-ended, intriguing essential question that is used to direct students towards the objectives of the unit and invites students to be part of the solution to the unit's dilemma. The design of inquiry-based learning allows for the following: Essential Question, Unit Description and Entry Event.

Pitsco Education and IST Ohio are proud to provide Ohio educators with a new and exciting approach to teaching Career Pathway programs.

For more information, please contact IST Ohio at 419-775-5933 or at [www.istohio.com](http://www.istohio.com)

