

Instructional Scenario Certified!



Course: Programming, Advanced

Duty Area: Preparing for Industry Certification

Scenario:

In the heart of Pine Valley High sat a group of young minds, the elite of the advanced programming class. They were a breed apart, fluent in the languages of the digital world, invoking lines of code that could one day change worlds. Among them was Maya, a quiet observer, her eyes reflecting the intensity of the challenges before them. Maya dreamt of something more – a tangible proof of her skills, a testament to her dedication.

One day, their esteemed instructor, Mr. Smith, a veteran of the tech world, announced a new project: "Prepare for the Python Information Technology Specialist credential!" Maya, initially hesitant, felt a spark ignite within her. This was it. The opportunity to translate her passion into a concrete achievement, to bridge the gap between the classroom and the real world. Mr. Smith reminded them the certification was not just about passing an exam and adding it to your college applications, but also about honing their skills, developing a deeper understanding of the language, and preparing themselves for the challenges ahead in the ever-evolving world of technology.

Maya embraced the challenge. She poured her heart and soul into her research. The certification, once a distant dream, was now within reach, a testament to her dedication and a steppingstone toward a future where she could truly call herself a Code Whisperer.

Big Question:

How can students effectively prepare for and earn an industry-recognized certification to showcase their advanced programming skills and readiness for real-world opportunities?

Focused Questions:

- What are the steps and requirements for obtaining a programming-related industry certification?
- How does earning an industry certification validate the skills learned in the advanced programming course and impact career prospects and opportunities in the tech field?
- What are the financial benefits of taking a credential test in school as opposed to doing so through an external organization?
- How can peer collaboration and study groups contribute to successful exam preparation?
- What are common pitfalls to avoid when preparing for and taking certification exams?

Student Project or Outcome:

Students should explore an information technology (IT) field they are interested in as a career opportunity. They should then investigate the credentials associated with such a career. Now, with the use of the [Certiport Certifications](#) linked here, students should find a credential opportunity that fits the needs of their career goals.

Project-Based Assessment:

Create a presentation to convey the research and exploration of the required certifications for a particular IT career, while addressing the focused questions.

Teacher Resources:

- [Certiport Certifications](#)
- [Industry Recognition of ITS Credentials](#)
- [ITS Pathways](#)
- [Essential IT Certifications](#)

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