



# KnowledgePillars



## Professional Development Program for Python Educators

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Fastrack Python certification attainment in your school district, meet your K-12 certification achievement goals and give your students the opportunity to develop skills necessary to be productive citizens. If you're considering a professional program for educators in your district this summer, consider this Professional Development (PD) Program.

- 12 Hour Workshop for PCA, PCS or both
- Certification + Practice Test Included
- Access recordings up to 90 days
- Choose between Virtual or In-Person



### Recommended pre-workshop preparation requirement:

Dedicate a minimum of 1 hour to the PCS practice tests. This will help you be prepared for the big training day.



### Attend the 12-hour expert-led workshop:

This workshop is approximately 12 hours (9 hours focused on PCS + 3 hours focused on ARK) divided into four equal sessions.



### Recommended pre-exam preparation requirement:

We recommend that you complete an additional 4 hours PCS practice test work before attempting the exam.

## PCS Program Overview

### Session 1

- Introduction to Python and PCS Certification Exam
- Python Basic Concepts
- Variables and Operators
- Using Conditional Statements
- Using Loops
- Create and Use Functions, and Generators
- Python Data Structures

### Session 2

- Using Modules and Packages
- Classes, Objects, and OOP
- Responds to Events and Exceptions
- I/O Operations using Python
- Practice Lab - Variables and Operators, Conditional Statements and Loops

### Session 3

- Practice Lab - Functions and Data Structures
- Practice Lab - Modules, Packages, OOP, Events, and I/O
- Practice and Test Analysis

### Session 4

- Mastering Knowledge Pillars ARK
  - Account setup
  - Inventory
  - Assigning Proctors
  - Managing Student Accounts
  - Assigning Practice Test Results
  - Viewing Results
  - Creating Test Groups
  - Exam Transcripts

Attendees for this workshop should have dedicated at least 1 hour to the PCS practice test. It is assumed that the educators have a fundamental knowledge of Python coding before attending this workshop, if not, candidates are expected to complete 4-6 weeks of self-preparation before attending this workshop.

After this workshop attendees will:

- be acquainted with the content of the PCS certification
- be able to differentiate PCS certification content
- be able to identify types of questions
- be acquainted with tricks for efficient task solving
- be able to test their knowledge by taking a practice test
- be able to analyze practice test tasks
- be qualified to take the PCS certification tests
- be able to help students to prepare for the certification



Contact our team for a quote today - [info@knowledge-pillars.com](mailto:info@knowledge-pillars.com)

## About Knowledge Pillars

Established in 2020, Knowledge Pillars (KP) is the result of over four decades of expertise in the EdTech industries, building complex in-app questions-based vendor-neutral IT certification and practice tests. These 100% web-based certifications and skills validation services are globally recognized and highly sought after by teachers and potential employers, offering unique credentials for unique skills. These state-approved certification exams can also easily be incorporated into the middle school, K-12, post-secondary and technical college curriculum. All exams go through quality standard settings to make sure we align to the highest psychometric parameters making our certifications a top set of credentials available worldwide.