Emerging Technologies Workshop: Experimenting with REST APIs using Webex Teams v1.01
Scope and Sequence

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Experimenting with REST APIs using Webex Teams - Course Outline

The *Emerging Technologies Workshop: Experimenting using REST APIs using Webex Teams* explores the field of programming with REST APIs. It is designed for students who are interested in learning about emerging technologies. The workshop explores API concepts and provides opportunities for students to create Python programs that interact with the Webex Teams application. The workshop is appropriate for students at many education levels and types of institutions, including high schools, secondary schools, universities, colleges, career and technical schools, and community centers.

Course Outline

Table 1.   Chapters, Sections, and Objectives

Chapter /Section	Objectives
Chapter 1: Introduction to Python and Programming Basics	
1.1: Code and Communities of Practice	Explain the importance of coders' communities of practice.
1.2: Python Basics	Use Python to create programs that accept user input and read and write to external files.
1.3: APIs and Parsing JSON	Create a Python application that accesses an API based on user input and processes and displays the JSON data that is returned.
2.1: Introducing Webex Teams and Cisco Webex for Developers	Use Cisco Webex for Developers to execute a variety of API calls.
2.2: Webex Teams APIs using Postman	Use the Postman application to execute common calls to the Webex Teams REST API.
2.3: Webex Teams APIs Using Python	Use Python to automate Webex Teams tasks.

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