



Pine Crest School
Primary site: Boca Raton Campus
www.pinecrest.edu

Job Title: Innovation Specialist for Pine Crest School Innovation Lab (i-Lab), Boca Raton campus

Note: The ideal candidate will be available to travel occasionally to our Fort Lauderdale campus on an as-needed basis.

Job Description

The Middle School Innovation Specialist will work with two colleagues to maintain, coordinate and facilitate the activities in the Pine Crest Boca Raton iLab. The ideal candidate has exemplary teaching skills, a passion for helping students to make ideas tangible, and an enthusiasm for out-of-the-box ideas.

Job Responsibilities

- Develop and deliver project-based learning activities that focus on the integration of learning technologies, engineering, and a connection to real-world problems and the core curriculum in the Middle School iLab
- Collaborate primarily with faculty members in the Middle School to create and deliver project-based learning activities; be willing and able to assist with the Lower and Upper School iLabs as needed
- Develop learning experiences for students using programs that include: Google Apps, Creative Suite Adobe, Tinkercad, Google Sites, AutoCAD, Fusion 360, and Adobe Illustrator
- Maintain and instruct usage of equipment in the Middle School iLab, such as 3D printers, Laser engraving machinery, etc.
- Assist with the Middle School and Upper School Technology Student Association classes and academic clubs
- Provide training opportunities for teachers on how to use the resources in the iLab
- Provide instruction and support to Middle School and Upper School students during the Open Lab Lunch periods
- Maintain awareness of best practices, emerging technologies, and new educational technologies and tools that may be incorporated into the iLab

- Run safety training for all who are in the iLab; monitor that safety is practiced at all times
- Help students acquire skills with tools, tool safety, and other aspects of hands-on fabrication
- Work with students and faculty members to help them achieve their project visions
- Track use of consumable materials, reorder as needed
- Help build enthusiasm among students in project-based learning activities
- Provide opportunities for students to implement, test, and deploy solutions while taking into consideration real-world constraints
- Create opportunities for students to think critically, explore, investigate, and engage as problem solvers
- Encourage students to pursue their passions through hands-on exploration
- Cooperate with other instructional leaders to integrate the use of iLab
- Incorporate 2D and 3D computer-assisted design and drafting, Raspberry Pi technology, Arduino code, Python, C++, and Java programming into the Middle School iLab projects and competitive events
- Help build enthusiasm among students in the area of coding, emerging technologies such as artificial intelligence, machine learning, and virtual reality.
- Present sessions at the School's annual ***Innovation Institute and Teachers Teaching Teachers***

Background Preferences

- B.A. in a related field; advanced degree preferred
- Experience teaching in a classroom, preferably in an independent school

OR

- Experience working with students on projects (hands-on learning)

How to Apply

Please email a resume and cover letter describing your relevant experience to employment@pinecrest.edu; include "Innovation Specialist" in the subject line of your email.

EEO/DFW