



Portland Public Schools
OFFICE OF SCHOOL MODERNIZATION

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Date: January 27, 2021
To: School Improvement Bond Committee
From: Marina Cresswell, Senior Director
Erik Gerding, Sr. Project Manager
Subject: LHS – CTE Program Addition Request for Audio Engineering

The Office of School Modernization is in construction for the Lincoln High School Modernization project. Lincoln High School is requesting changes to the project to accommodate their new CTE program for Audio Engineering. After completion of project design, the music teacher at Lincoln received CTE certification for Audio Engineering, along with grant funding and PPS CTE funding for equipment. The program started this current school year in a distance learning environment. The request is to have a physical classroom in the new building for the program. District CTE programming includes Audio Engineering for Lincoln. This program also exists at Wilson and Grant. Please see provided PPS CTE matrix.

Due to the size of individual student workstations, the standard general classroom size is too small to accommodate the program. The proposal is to combine two classrooms into one larger room to provide enough space for 30 workstations. This change will modify the school's area program by a reduction of 2 general education classrooms and an addition of one CTE classroom. The current area program provides 43 general education classrooms while the PPS Comprehensive HS Ed Specs require a minimum of 41 general education classrooms. This means that the reduction of 2 general education classrooms will still maintain the minimum Ed Spec requirement of 41. School capacity requirements will also still be met.

Changes to the building include additional construction costs of approximately \$160,000 for electrical, data, upgraded drop ceiling for acoustics, and a double stud wall at the adjacent classroom. An additional \$75,000 is estimated to provide a moveable partition, if desired. This is not required for the program but could provide future flexibility. A partition would require additional engineering and design. Additional FF&E costs are approximately \$100,000 but the team will work to cover this cost in the current overall FF&E budget of \$6,000,000.

Since the project is currently under construction, it is important to make a decision on the requested change as soon as possible to avoid construction delay and additional costs. The project team will be meeting with their Steering Committee shortly for discussion but OSM anticipates recommending moving forward with the requested changes, without adding the movable partition. Addition of the Audio Engineering CTE program to Lincoln is supported by school and District CTE staff, will not lower programming below Ed Specs requirements, and can be accommodated within the budget by utilizing standard risk mitigation strategies.

HS State-Approved CTE Programs of Study 2020-21



Career Clusters	Alliance Benson & Meek	Benson	Cleveland	Franklin	Grant	Jefferson ¹	Lincoln	Madison	MLC	Roosevelt	Wilson	
Natural Resources	Natural Resources ⓧ			Natural Resources* ⓧ				Sustainable Ag ⓧ				
Architecture & Construction		Architecture* ⓧ ⬆️ ⬆️ ⬆️ ⬆️ Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️ Electrical ⓧ ⬆️ ⬆️ ⬆️ ⬆️	Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️	Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️	Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️	Electrician Millwright HVAC Maintenance		Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️		Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️	Construction ⓧ ⬆️ ⬆️ ⬆️ ⬆️	
Arts, AV, Communication	Digital Media Design Applied Arts	Digital Media Broadcasting Design Applied Arts	Digital Media Mass Comm	Video Production	Design Applied Arts Multi Med Theater Digital Media Audio Engineering	Multimedia Prof Musician	Mass Comm Audio Eng. Design Applied Arts	Digital Media Design Applied Arts	Mass Comm	Mass Comm Multi Med Theater	Digital Media* Audio Engineering	
Business & Management				Business Mgmt ⬆️ Ⓢ ⬆️ ⬆️ ⬆️	Business Mgmt ⬆️ Ⓢ ⬆️ ⬆️ ⬆️		Business Mgmt ⬆️ Ⓢ ⬆️ ⬆️ ⬆️	Business Mgmt	⬆️ Ⓢ ⬆️ ⬆️ ⬆️	Business Mgmt		
Education & Training				Education Ⓢ ⬆️				Education Ⓢ ⬆️	Education			
Finance												
Gov & Public Administration												
Health Services		Health Sciences ⓧ ⬆️ Ⓢ ⬆️ ⬆️ ⬆️			Health Sciences ⓧ ⬆️ Ⓢ ⬆️ ⬆️ ⬆️	Ophthalmic Medical Terminology Medical Assisting		Health Sciences ⓧ ⬆️ Ⓢ ⬆️ ⬆️ ⬆️			Health Sciences ⓧ ⬆️ Ⓢ ⬆️ ⬆️ ⬆️	
Hospitality & Tourism	Hospitality/ Culinary		Hospitality/ Culinary ⓧ ⬆️	Hospitality/ Culinary ⓧ ⬆️			Hospitality/ Culinary ⓧ ⬆️					
Human Resources						Fire Protection						
Information Technology		Computer Science ⬆️ ⬆️	Computer* Science ⬆️ ⬆️	Computer Science ⬆️ ⬆️	Computer Science ⬆️ ⬆️		Computer Science ⬆️ ⬆️	Computer Science ⬆️ ⬆️		Computer Science ⬆️ ⬆️	Computer Science ⬆️ ⬆️	
Law Public Safety Security												
Manufacturing	Manufacturing ⬆️ Ⓢ	Manufacturing ⬆️ Ⓢ		Manufacturing ⬆️ Ⓢ								
Marketing Sales			Marketing*								Marketing	
STEM		Engineering ⬆️ Ⓢ			Engineering ⬆️ Ⓢ			Engineering ⬆️ Ⓢ		Engineering ⬆️ Ⓢ	Engineering	
Transportation Logistics	Auto ⓧ Ⓢ ⬆️	Auto ⓧ Ⓢ ⬆️										
Athletic & Outdoor												
Total CTE Programs	6	11	6	8	9		6	9	2	6	7	70
Active in 2020-21	6	10	4	7	9		6	9	2	6	6	65

Legend for Labor Market Information

- ⓧ **Hard to Fill**
- ⬆️ **High Growth**
- Ⓢ **High Wage**
- ⬆️ **High Demand**
- ⬆️ **High Skill**

*Program on hold 2020-21

¹ Students access at PCC Cascade or PCC Swan Island

Labor Market/ Industry Growth Areas 2017-2027