

CHHS Classroom Presentation System Request for Quote (RFQ)

CHCCS is seeking quotes for a classroom presentation system for Chapel Hill High School (CHHS, 1709 High School Road, Chapel Hill, NC 27516).

Currently, there is a major construction project underway on the CHHS campus to replace the existing A and D buildings, as well as add an E Building. There are also some renovations to the existing B and C buildings, but they are excluded from the scope of this RFQ except for installation of existing equipment. The construction project is projected to be completed this summer and all buildings ready for staff and students return in early August.

Below is an overview of the classroom presentation systems, that are extended to conference rooms and small instructional spaces:

- Interactive Displays: There is a need for a supplemental interactive display device for classrooms. We would like to have some different options to evaluate. These would need to be mobile as they will be shared among classes as needed. There is a desire to have a demo of these devices if possible.
- Classroom Presentation Projector: Each classroom will have a projector on the "Teaching Wall". We would like to have some options for the projector. The drawings call for a wall mounted projector onto a whiteboard, therefore we would want wide format projectors. The district currently uses Epson models in our classrooms.
- Classroom Audio: We will need classroom audio. This will need to be integrated into the presentation system. This system will need to be accessible via multiple input methods.
- Digital Signage/Conference Room TVs: There is a need for digital signage and conference room TVs. We would like these to be commercial grade and prefer them to not have the built in smart capabilities especially if these functions cannot be secured and managed.

Below are the minimum specifications for the classroom presentation equipment:

Projector Minimum Specs (80)

Ultra-Short Throw (with Wall Mount)

LED Projection System

WXGA (1280 x 800) Native Resolution Minimum

Maximum: UXGA - 1600 x 1200

3500 Lumens Minimum

16:10 Aspect Ratio

14000:1 Contrast Ratio Minimum

10-bit Color depth Minimum

60 - 100" Projection Size

13.386 - 23.622" Throw Distance

2 x HDMI Audio/Video (Input)

1 x HDMI with MHL Support Audio/Video (Input)

1 x USB Type-B Female (Input)

1 x Composite (RCA) Video (Input)

3 x 1/8" / 3.5 mm Mini Audio (Input)

1 x 1/8" / 3.5 mm Mini Microphone (Input)

1 x RS-232C (Unspecified Connector) Control (Input)

1 x VGA (DE-15) Video (Output)
1 x 1/8" / 3.5 mm Mini Audio (Output)
1 x USB Power (Output)
1 x Ethernet (RJ45) LAN (Input)

Speakers (left/right) Minimum Specs (90)

Active Wall Mount Amplified Speaker or Soundbar

Output power: 15W RMS

Frequency response: 80Hz-20kHz

Driver: Tweeter/woofer

Bass reflex port: 1

SPL: 100 dB at 1W at 3.3' (1 m)

Impedance: 8 ohms

Optional Specs:

Bluetooth

Wireless Microphone

Optical TOS link

Soundbar Minimum Specs (90)

Active Wall Mount Amplified Speaker or Soundbar

Output power: 15W RMS

Frequency response: 80Hz-20kHz

Driver: Tweeter/woofer

Bass reflex port: 1

SPL: 100 dB at 1W at 3.3' (1 m)

Impedance: 8 ohms

Optional Specs:

Bluetooth

Wireless Microphone

Optical TOS link

Commercial Grade TV Minimum Specs (8)

65" Screen

3,840 x 2,160 Resolution

4,000 : 1 Contrast Ratio

LED Backlight

60hz Refresh Rate

2 HDMI ports minimum

9 ms Response Time

CEC Capable

Commercial Grade TV Minimum Specs (8)

75" Screen

3,840 x 2,160 Resolution

4,000 : 1 Contrast Ratio

16:9 Aspect Ratio

LED Backlight

60hz Refresh Rate

2 HDMI ports
9 ms Response Time
CEC Capable

Interactive Touch Screen Display Minimum Specs (15)

75" Screen
3,840 x 2,160 Resolution
16:9 Aspect Ratio
60hz Refresh Rate
1200:1 Contrast Ratio
9 ms Response Time
10-bit Display Colors
Finger/Stylus Input Method
Up to 20 point Multi-touch
Tempered Glass
Anti-Glare
Germ-Resistant Screen
2 HDMI ports minimum
2GB Memory
Mobile Stand
Internal Speakers (15w)

Cisco Room Kit for Conference Rooms and Small Instructional Spaces (15)

Microphone array
Cisco Touch 10 controller
Internal speakers
2-4 cameras

The quote should include the installation of the equipment noted above, plus an additional 15 projectors for the existing CHHS B & C Buildings. Please break out the installations per equipment category as much as possible. The new classroom presentation systems should be installed by 7/31/20.

Please submit quotes and questions to Patrick Mimranek, IT Systems Coordinator, via email (pmimranek@chccs.k12.nc.us) by 5/15/20 at 5 pm.