NOCCCD Instructional Technology Standards for Classroom Multimedia Systems

PURPOSE

The purpose of this standard is to similarly equip classrooms across the district. The reason to do this is to make the systems easy to use and familiar so that faculty can use a variety of classrooms and produce the same quality of experience for the student wherever they instruct. In addition, the maintenance of these systems becomes easier on support staff and less costly to maintain. In this environment, staff and students know what to expect when they enter a classroom.

CLASSROOMS WITH EXISITING MULTIMEDIA SYSTEMS

Classrooms that are already equipped should be upgraded to the most current minimum standards for that piece of equipment as it is replaced.

CLASSROOMS WITHOUT MULTIMEDIA SYSTEMS OR NEW CLASSROOMS

Classrooms that are new or have no multimedia capabilities should be equipped with the most current minimum standards equipment.

MINIMUM STANDARDS

The minimum configuration that should be used for any new systems and the standard to be pursued for any upgrade is as follows:

Control mechanisms (one of the following or both):
- Push button touch screen interface that is clearly labeled as to the function for each button.
- Media switcher that allows for the switching of both video and audio. This device may or may not utilize an integrated amplifier.
- Laptop/tablet/mobile connection including network connectivity

Projection equipment:
- White board mounted (preferred) or Ceiling mounted units.
- 3000+ Lumens quality
- 2000:1+ Contrast
- Digital Keystone
- 720p, 1080i, 1080p/60, 576i, 576p
- HDMI 1.3
- 16:9 or 16:10 native resolution
- Remote management
- Wireless connectivity (hardware or software solution)

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Computer:
- Dual core processor
- 4gb ram
- 512 mb video card capable of 16:9 or/and 16:10 resolution
- DVD and/or Blue Ray player
- Sound card

Digital Media:
- Encourage the migration from video tape/DVD media to internet enabled delivery where possible.
- Closed caption capabilities are required.
- 508 Compliance

Document Camera:
- 3 MP sensor
- USB and VGA connectivity
- Serial control
- Remote management

Screen:
- 16:9
- 16:10
- 8' diagonal minimum

Sound System:
- Mounted in ceiling with sound can to reduce in ceiling noise.
- Wall mounted if ceiling option is not possible.

Storage:
- Depending on environment a locking cabinet that permits rear access to devices and has a built in rack for securing equipment.

Management:
- Centralized management capable of tracking lamp and filter hours.
- Notification if a device is powered off or removed from the system,
- Give Media services the ability to remotely power on or off the equipment in the classroom.

REVIEW OF STANDARDS

The Technology Coordinating Council will annually review these standards.

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