# #1

COMPLETE

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## Page 1: Facilities Request Form

### Q1

Contact Person:

| | |
|---|---|
| Name | **Asa Enochs** |
| Email Address | **asa.enochs@gcccd.edu** |

### Q2

Department:

Cuyamaca Art Department

### Q3

Title of Request:

Digital Art Lab Networking Switch

### Q4

Location of Request:

Lab Location: B365
Networking Switch Location: Networking/Server Room, Building B, 1st Floor

### Q5

Description of Request:When making your request, please be as specific as possible and include information such as make, model, manufacturer, color, quantity, etc.

The Art Program requests the purchase and installation of one HPE Networking 6200M 48G 4SFP+ Switch to support the new digital arts lab in Room B365. This model (HPE Part No. R0Q45A) provides 48 Gigabit Ethernet ports and 4 SFP+ uplink ports, allowing us to meet the bandwidth, reliability, and security requirements necessary for high-performance digital arts instruction.

**Q6**

Estimated Cost:

The approximate hardware cost is $4,646.50, plus active support and warranty (3-5 years), plus El Cajon sales tax, with installation required by District IT. Total approximate cost: $6000. All infrastructure for the switch, including networking pathways, rack space, and electrical capacity, already exists in the Building B server room on the 1st floor. Asa Enochs worked closely with Camillo Hernandez-Lutu on creating an updated technology bid for the digital art lab; the HPE Networking 6200M 48G 4SFP+ Switch is the last line item on the attached bid.

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**Q7**

Please attach quote, if available

**Digital%20Art%20Lab%20budget%20proposal.pdf (74.1KB)**

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**Q8**

Total Cost of Ownership:check all that apply

**Replacement (Life Cycle),**

**Operations Cost,**

**Maintenance Cost**

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**Q9**

Please explain your plan to maintain this request:

Replacement Life Cycle: 5–7 years with full support — during which we can reliably depend on security updates, vendor support, and warranty coverage. The practical life expectancy is 7–10+ years, but with an increasing risk of hardware issues or security vulnerabilities once HPE support ends.

Operations Cost: The primary cost is the annual support contract, which covers firmware updates, security patches, and hardware replacement. These support agreements typically range from 10% to 20% of the device cost per year ($470-$930), depending on the selected level of coverage.

Maintenance Cost: Once installed and configured by District IT, operational oversight is routine and fits within their standard maintenance cycle.

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**Q10**

Justification of Request:Please select the applicable criteria below and provide the details how the criteria relate to your request.

**Support College Mission/Strategic Plan,**

**Health/Safety/Security Issues,**

**Growth of department/work area,**

**Demonstrate need for continuous quality improvement of department/work area**

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Provided details::

Support College Mission/Strategic Plan This request directly supports the College's mission and strategic priorities by expanding equitable access to essential technology, improving student success, and strengthening workforce preparation in high-growth digital arts fields. A dedicated network switch is required to operate the new 26-station Digital Arts lab in B365, which supports several new AA degrees and aligns with regional creative-economy demands. Without an updated and reliable network backbone, we cannot offer the industry-aligned instruction or safe and stable learning environment our students need. Health/Safety/Security Issues A properly configured, enterprise-level switch ensures secure, stable connectivity for all lab workstations. District IT requires this model for compliance with current network standards, cybersecurity protocols, and bandwidth requirements. Using outdated or insufficient switching equipment puts students and instructional systems at risk of network instability and security vulnerabilities. Growth of Department/Work Area Without this infrastructure, we cannot schedule these courses at scale or meet two-year degree rotation expectations. The Art Program has expanded significantly, with strong enrollment growth in animation, illustration, visual communication design, and digital arts. All curriculum for these degrees is already approved and active in the catalog, and demand is increasing. A functional digital arts lab requires this switch to support the already funded technology request: 26 Mac Mini workstations, Wacom Cintiqs, shared peripherals, cloud-based software, and data-intensive workflows. Demonstrated Need for Continuous Quality Improvement This switch is essential for maintaining reliable, high-speed connectivity that directly supports student learning and program outcomes. It allows faculty to deliver contemporary, industry-standard instruction and ensures students can complete project-based work without interruption. The request is a necessary component in a technology plan developed in FA23 and updated in collaboration with Asa Enochs and Camillo Hernandez-Lutu. Implementing this switch allows us to move from stopgap solutions to a sustainable, high-quality instructional environment.