



Avon Public Schools

Technology Requests for ARP Funds

February 3, 2022



Request Objectives

- Address WiFi connectivity issues both inside and outside school buildings.
- Interactive panels will replace current outdated boards in instructional classrooms and resources rooms. These panels will increase engagement and promote collaboration across all grade levels.
- Provide additional data storage space for the security camera servers.



WiFi Network Expansion



Item Requested	Quantity	Total Cost	Justification
MR46 Access Points (Indoor Use)	123	\$133,701.00	<ul style="list-style-type: none">The increased number of user devices in the schools has added additional congestion to the wireless infrastructure.Replace access points that are using older technology and are out of support by the manufacturer as well as adding additional capacity in areas with poor WiFi coverage.
MR76 Access Points, Antennas and Licences (Outdoor Use)	8	\$12,320.00	<ul style="list-style-type: none">Expand the outdoor WiFi coverage surrounding the schools to allow staff & student devices to remain connected when holding classes outside or during a building evacuation.Areas planned for coverage include main entrance areas, playground areas, football and field hockey fields at AHS.



Interactive Displays and Security Camera Servers



Item Requested	Quantity	Total Cost	Justification
BenQ Interactive Panels	30	\$66,000.00	<ul style="list-style-type: none">Continue replacement project of outdated projectors and Smartboards that was initially funded in 2020-2021.New panels will provide an interactive device which will allow teachers and students to participate in person, remote and hybrid learning more effectively.
Security Camera Storage Servers	5	\$22,620.00	<ul style="list-style-type: none">Add additional capacity in each school to store video from the security cameras.As additional cameras are added to the system, the current servers occasionally are unable to process the high volume of data when many cameras record at the same time.