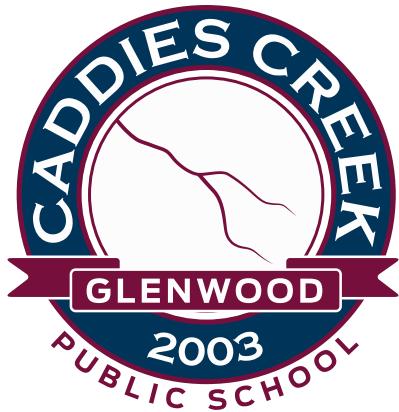


ARUBA NETWORKS CUSTOMER STORY | EDUCATION

CADDIES CREEK PUBLIC SCHOOL

Caddies Creek Public School embraces secure, high speed Wi-Fi across its learning environments to facilitate 21st century teaching



Situated in Glenwood, Caddies Creek Public School is one of the three largest primary schools located in Sydney's West, educating more than 900 students across 36 classrooms with 50 staff. At less than ten years of age, the young school has been built with more modern facilities, and is dedicated to integrating the latest technology into the school's education models and environments.

Introducing approximately 200 iPads, 160 Microsoft Surface tablets and 50 netbooks throughout the school two years ago, Caddies Creek required a high speed Wi-Fi network to support its large bandwidth of connected devices.

According to Anthony Moyes, Computer Coordinator, Caddies Creek Public School, "There has been a definite push towards integrating technology into 21st century learning, and the department's push for a growing amount of devices in the classroom prompted our requirement for an effective Wi-Fi solution."

"There's an expectation that with all the devices being made available in schools, technology should be used almost naturally by students and staff throughout the day. We have one device for every two students in each classroom. Our mission is to have as much technology as possible, and use these devices as much as possible for learning."

BENEFITS

- Leverages Aruba Networks access points for secure, high performance wireless that supports the teaching and learning demands of Caddies Creek Public School
- Efficient and constantly reliable Wi-Fi
- Fluid remote management of the network via the Aruba Networks Virtual Controller
- Enables the ability to onboard any device type used by the students, teachers and administrators including 200 iPads, 160 Microsoft Surface tablets, 50 netbooks, as well as various desktop computers, printers, laptops and Apple TVs
- Allows users to connect various devices to the network at any one time without slowing down, also allowing automated guest access
- Derives significant value with minimal ongoing support requirements from the Department of Education's Learning Support team
- Seamlessly integrate with existing infrastructure and provide a future-proof platform for the School's 21st century learning strategy



"Easy access to high-speed wireless in learning environments today is vital. Without it, we're not able to use all devices that we want to use as part of our teaching and learning"

Anthony Moyes,

Computer Coordinator, Caddies Creek Public School



In late 2012, Caddies Creek Public School worked with specialist network integrator, Matrix CNI, to progressively deploy the Aruba Networks Wireless Solution throughout the school, representing the introduction of its first Wi-Fi network. Initially introducing 23 Aruba Networks access points, staff and students at the school today enjoy secure Wi-Fi coverage throughout 75 per cent of the school's site via 50 access points.

A TEXTBOOK WI-FI INTEGRATION

According to Mr Moyes, the initial deployment of the Aruba Networks Wi-Fi network was a seamless exercise.

"The majority of the process took just two weeks. Once we received all the hardware, it only took a couple of days to have the network connected ensuring all access points were running efficiently," said Mr Moyes.

"A small team at the Department of Education's Technology for Learning Support division manages our Wi-Fi via the Aruba Networks Virtual Controller. It took half an hour to have this up and running. It was set and forget," added Mr Moyes.

Students and staff at Caddies Creek automatically connect to the network when they pick up their tablets in and around the classroom, and there's never an issue with sticky clients.

"Automated access to the network runs smoothly more than 95 per cent of the time. We never have any issues with the Wi-Fi slowing down as staff and students move about the school's premises, with devices smoothly connecting to new access points," said Mr Moyes.

DRAWING ON FAST WIRELESS TO FACILITATE SEAMLESS LEARNING SESSIONS

Using technology in learning sessions at Caddies Creek enables students to enhance their research and reporting skills.

"For instance, students frequently use the school's mobile tablets to research particular topics and then use programs such as PowerPoint or Prezi to develop a presentation around particular subjects. Students can then connect their iPad screens wirelessly to one of the five Apple TVs in the school, and run through their presentation to share their learning collaboratively with classmates. They can also

connect to the one interactive whiteboard in each classroom, and sweep through their research this way," said Mr Moyes.

"Students are using various application suites on their tablets on a daily basis, such as Microsoft Office. They easily wirelessly connect to classroom printers and share their work with teachers in print," added Mr Moyes.

Additionally, when it comes to online research, the school's Wi-Fi is smart enough to allocate necessary bandwidth to the network demands of an exercise.

"We never have any trouble listening or watching dense and rich media files, from YouTube clips to podcasts, which are often integrated into a teacher's learning exercises," said Mr Moyes.

A SECURE WI-FI NETWORK THAT EXCEEDS EXPECTATIONS AND CONTINUES TO GROW

More than 400 devices at Caddies Creek can connect to the Wi-Fi network at any one time, with the wireless stable enough to withstand the demand and not slow down.

"Temporary staff and visiting parents are given secure guest access to Wi-Fi on their mobile phones, and teachers are connecting their personal smartphones in addition to their other devices, daily and all automatically, with no need to involve IT. I'm always moving around multiple classrooms



in any one day, so to access my school email from my phone is really useful and helpful. Email is our core type of communication for all levels of staff at the school," said Mr Moyes.

At Caddies Creek, wireless coverage is available throughout full-time classrooms, its staff room as well as the library. The school is exploring adding additional Wi-Fi access points to the hall to assist with formal ceremonies and assemblies, as well as its 20 temporary demountable classrooms.

"We have the bulk of the school covered. We didn't have any Wi-Fi before introducing Aruba, and the network has been running brilliantly for us. We've been very happy with Aruba's performance," said Mr Moyes.

"Easy access to high-speed wireless in learning environments today is vital. Without it, we're not able to use all devices that we want to use as part of our teaching and learning," added Mr Moyes.

THE FUTURE IS BRIGHT WITH A NEW GRADE OF WI-FI

According to Steve Coad, Aruba Networks Managing Director for Australia and New Zealand, many primary and tertiary schools across Australia have been utilising the 802.11n wireless network for the last few years, and are now steering their attention to the next generation Wi-Fi standard that is 802.11ac.

"At Aruba Networks, we have been working closely with our partners and Education organisations to transition schools from the 802.11n network to the Aruba Networks 802.11ac solution which offers faster, more secure and reliable wireless coverage," said Mr Coad.

"With the rise of an emerging group of students, workers and customers dubbed #GenMobile, who are demanding a higher level of connectivity, its essential schools are equipped with robust infrastructure to support students and staff connecting to the Wi-Fi with multiple devices. School environments today require the necessary security and connections to facilitate the classroom of the future," added Mr Coad.

ABOUT ARUBA NETWORKS, INC.

Aruba Networks is a leading provider of next-generation network access solutions for the mobile enterprise. The company designs and delivers Mobility-Defined Networks that empower IT departments and #GenMobile, a new generation of tech-savvy users who rely on their mobile devices for every aspect of work and personal communication. To create a mobility experience that #GenMobile and IT can rely upon, Aruba Mobility-Defined Networks™ automate infrastructure-wide performance optimization and trigger security actions that used to require manual IT intervention. The results are dramatically improved productivity and lower operational costs.

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