

“Suddenly our students have a world of knowledge at their fingertips, delivered real-time, in rich detail.”

Daniel Wilson – Deputy Principal



EduNet provides unmetered access to educational resources



Manurewa High School is a large multi-cultural school with 2000 students and 180 staff, located in Manukau, some 25km south of central Auckland. The school opened in 1960 and has built a very positive reputation in the local community as one that achieves at the highest level. Every year there are many more student enrolment applications than there are places.

To help achieve the school strategic focus to meet the learning needs of all students through effective teaching and engaged learning, Manurewa High School was among the first to join EduNet, working through their Internet partner Fastcom. VectorFibre’s high-speed fibre network provides unmetered access to educational resources for schools and other educational institutions in the Auckland area. EduNet breaks new ground for schools for collaboration and access to knowledge resources at a fixed cost.

“Our existing copper ADSL connections could not deliver the amount of speed or data the school required. At times the network ground to a halt; paying for expensive additional data did not improve our speed issues.”

**Daniel Wilson – Deputy Principal,
Manurewa High School**

The challenge

To deliver the desired educational outcomes, schools need to develop ICT learning connectivity nationally and to the rest of the world.

The need

Slow connection speeds and high metered data costs have limited the scope for online learning until now. Downloading data-intensive education materials was problematic and national assessments had to be done manually instead of online. Like other schools, Manurewa High School needed high-speed, cost-effective connectivity to other learning institutions and to the rest of the world – without limits on data volumes.

“We have now been on EduNET since the start of term 4. There was an immediate improvement in internet speed and reliability – we can’t believe how fast it is.”

**Daniel Wilson – Deputy Principal,
Manurewa High School**

“Our students learn best through collaboration and creativity. EduNET provides the best platform for students to learn, create and share using high quality online resources.”

**Daniel Wilson – Deputy Principal,
Manurewa High School**

“EduNet is a great service to have in our portfolio to resell. It meets a real need for schools. With delivery across the ethernet platform, I have full confidence in the performance and reliability of EduNet.”

Daniel Kinross – Technical Director

Solution

EduNet provides the school with:

- 1 Gbit/s collaboration with all EduNet schools nationally.
- 100 Mbit/s access to rich content from a wide array of databases.
- From 10Mbit/s up to 50 Mbit/s access to the public Internet – flexible to meet the particular requirements of the school.

The school gets all this at a fixed cost, allowing teachers and students access and data volumes they need and which they could not always afford before.

Key results

Using EduNet, Manurewa High School can offer teachers and students access to the local and global services and material they need online without technology limitations or financial constraints. High-speed connectivity means the best available learning programmes can be run. The collaborative possibilities create exciting scope for innovation and seamless knowledge sharing between people and institutions.

At the same time, it saves money and predictable invoices make budgeting easy.

The EduNet platform is an open design and non-exclusive. This means that it no longer matters who the school buys the access from - all the content in the network is available for everyone to access. The school can add other education networks as they come on-stream and even opt for alternative Internet packages from other providers. EduNet also creates opportunities for the school to utilise the benefits of cloud computing – a major opportunity to off-site ICT infrastructure and hardware, and outsource its management.

Downloads/Links

www.manurewa.school.nz
www.fastcom.co.nz

Why Vector Communications

The school's Internet partner Fastcom recommended EduNet. Running off the new VectorFibre Carrier Ethernet platform, EduNet offers fast broadband and content at a flat rate. Being an open access network means everyone can put up relevant content to be accessed on EduNet.

About Fastcom

Fastcom is a privately owned company based in Auckland, New Zealand. Fastcom's staff have over 20 years industry experience which is reflected in our approach: intelligent solutions with an emphasis on reliability and robustness. Backed by extensive investment in high performance infrastructure, Fastcom has ample capacity and expertise to deliver solutions for educational institutions as Voice over IP, Off-Site Backups' Cloud Services and Managed onsite ICT Services. Phone **0800 306 318** or visit www.fastcom.co.nz.

About Vector Communications

Vector Communications is a fibre-optic network operator owned by Vector. The VectorFibre network covers businesses in Auckland and Wellington, with direct connection to the Southern Cross cable, New Zealand's fibre-optic link to the world. For more information on using a direct fibre connection to help your organisation grow and realise its potential, call Vector Communications on **0800 826 436**, or visit www.vectorfibre.co.nz.