

# Carr Hill High School

Located on the outskirts of Preston, Carr Hill High is a coeducational secondary school with over 1,000 students. The school's passionate about providing an environment in which their 11-16 year-olds talents and abilities can shine through.

Virtue have worked with Carr Hill for over 11 years, so when they wanted to evaluate their infrastructure ahead of wider plans to drive their IT strategy forward, they sought our advice.



## The Challenge

As part of their long-term IT Strategy, Carr Hill High School were looking to move to a 1:1 student device ratio to best support their students' learning.

In advance of this programme, the Leadership, IT and Finance Teams felt it would be prudent to ensure that their IT infrastructure would cope with the increased demand on Wi-Fi that a one-to-one programme would require.

They asked their Virtue Account Manager, Lee Burnett for advice. Lee suggested they begin with a full site audit.



Over the years, we've worked with Virtue on a number of projects which is why I didn't hesitate to get their advice when we were looking to implement a one-to-one device programme. Working with the Virtue team is great because they're so passionate about what they do. They've offered us great support and advice in the past, and this was no exception. Our account manager Lee was the first to point out that moving to a one-to-one approach would be a big ask on our infrastructure. I'm so glad we took his advice, audited and implemented a new wireless network. Now our staff and students get a fast, reliable connection each time they log-on."

**- Lee Timoroksa, Network Manager, Carr Hill High School**

**x3**

Greater Internet Reliability

**x7**

Faster Log-on Times & Access to Files



We mapped out the building during an on-site survey and calculated the number of access points that would be required based on planned usage. It was important to us to spend time planning the project because we wanted to get it right first time.



# The Benefits

Following the audit and mapping of Carr Hill, we set about delivering the faster, reliable wireless network they needed to turn their 1:1 device plan into a reality. Their internet speeds and access speeds are now a huge improvement on what they were. The network is now stable enough to support the number of devices required to move to the 1:1 device set-up the school wants in order to advance their student's learning.

- Fast, stable, reliable Wi-Fi
- A connected campus
- Faster user access to the internet
- Bandwidth to grow network device numbers
- A secure and safe network
- Maximised budgets

# The Solution

## 01

Having worked with us before on other projects at Carr Hill, Network Manager Lee had experience of our installation and support expertise. He trusted our advice because of our ability to develop fit-for-purpose solutions designed specifically for education. Lee brought us in to talk to the Leadership and Finance Teams because of our proven track record in deploying industry-leading solutions, within budget.

## 02

In order to prepare the school for a 1:1 device roll-out, we first had to gain a full understanding of the school's infrastructure. This is why we take the time to map out the school in our audit. The existing wireless at Carr Hill was old and unfortunately it wasn't stable enough for additional devices to be added to it. Therefore their wireless needed updating to allow more devices, faster log-ons and quicker access prior to the move to 1:1.

## 03

We plotted the exact location of all 53 access points across the two floors of Carr Hill. By adding Fortinet Wireless access points, a Fortinet controller and upgrading the pre-existing HP Aruba switches, we've built them an agile platform so staff have the flexibility to enhance learning. We also fully installed the new hardware and provided support to their IT Team throughout so they'd be able to manage the system once we were off-site.

## 04

Our experience developing network speed improvements helped us create a wireless solution that ensured high speeds to support Carr Hill High's 1:1 plan. Our efficient processes also helped them ensure their IT was secure and that their project was delivered on time and on budget.



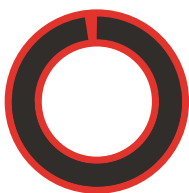
# 1,000+

## Devices Connected

A 1:1 device programme can be a large undertaking, not least because its success hinges on adoption and promotion across the school.

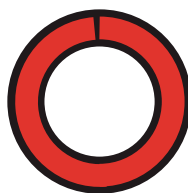
In our experience, staff confidence in IT is only achieved when it works - first time, every time. That's why it was so important to us that we implement the ideal solution for Carr Hill, one that supports their needs today and provides room for their school to grow, without the network buckling.

It's always been important for us to build solutions that balance current needs, future growth and costs. This methodology enables us to deliver the cost-effective solutions we've become known for.



**93% Overall Satisfaction**

Averaged total scored on all of the customer's satisfaction surveys



**99% Project Satisfaction**

Averaged total scored on customer's Project based satisfaction surveys



**92% Support Desk Satisfaction**

Averaged total scored on customer's Service Desk based satisfaction surveys