BUSINESS BACKGROUND
Cardinal Newman High School is a Catholic, college preparatory high school located in Northern California. It was founded in 1964 as an all-boys school, but when the local all-girls school closed in 2011, Cardinal Newman transitioned into a co-education school.

In October 2017, the devastating Tubbs fire destroyed half of the school. IT Director Dirk Bietau manages the school’s infrastructure. “I got a knock on the door at 5:00 AM to evacuate my house. I picked up my computer, a personal hard drive, and the school’s Retrospect backups on a different hard drive. Half the school burned down that day,” said Bietau. The school’s data—300 GB, including thirty years of transcripts—were saved. “People do request transcripts from the 1990s, and we can provide them.”

OFFSITE PROTECTION
Offsite protection isn’t difficult. Retrospect Backup made the workflow easy for Cardinal Newman to have a 3-2-1 backup strategy: 3 copies of the data, 2 storage media, and 1 off-site location.

Bietau used a QNAP NAS for on-site storage and four external drives for rotating on-site/off-site storage, with the middle two stored at home and the most recent and oldest at work for fast recovery.

Retrospect allowed Bietau to do specific schedules to different destinations, so that the strategy was as easy as unplugging one set of drives and plugging the other set in. Retrospect automatically ran

INDUSTRY
Education

ENVIRONMENT
• 300 GB of data
• 30 years of data
• QNAP NAS

KEY CHALLENGES
• Small budget
• Offsite protection

SOLUTION
• Retrospect Backup Single Server
  Premium for Windows
  • Available at $49 per month, $499 per year, or $899 perpetual

KEY BENEFITS
• Affordable backup with on-site and off-site workflows
• Reliable backup for decades

www.retrospect.com
incremental backups based on the backups already on
those drives.

Complete data protection
does not have to be
expensive or complicated.
Technologies like cloud
storage provide a great way
to store offsite backups, but
storing an external hard drive
from work at home is an
affordable alternative with fast
throughput.

**IT ON A BUDGET**

IT in education does not have
a large budget. Their goal
is to ensure complete data
protection with a great track
record, minimal supervision,
and an affordable price.

That’s why Bietau chooses Retrospect. It works and doesn’t
break the bank. “Retrospect has been a great product over
the years. We’re happy to be a reference,” said Bietau. His
strategy with rotating hard drives enabled him to save the
school’s data.

**STARTING FROM SCRATCH**

After the fire, the first step was to restore the Retrospect
backups. Bietau worked with MarinIT to restore the data
because the school had no computers left. IT was up and
running a couple of days later.

The school has a Bring-Your-Own-Device (BYOD) policy.
Most of the school’s computers are Apple, and the
students use Google G Suite for their work. G Suite enables
students to store their homework online and
access it at home.

Only staff have
desktops and laptops,
all backing up to a
Windows Server with
shared network drives
along with 2TB drives
for offsite storage.
Bietau now stores the
Retrospect backups at
two offsite locations.

The Tubbs fire was
not the first or the last
Californian wildfire.
Two years after
the Tubbs fire, the
Kincade fire in October
2019 led to a local
evacuation.

**ABOUT RETROSPECT**

Protecting 100 Petabytes in over 500,000 homes
and businesses in over 100 countries, Retrospect
is dedicated to providing reliable backup and
recovery tools for professionals and small-to-
midsize businesses with Retrospect Backup and
Retrospect Virtual, covering physical servers and
endpoints, virtual environments, and business
applications. With three decades of field-tested
expertise, Retrospect meets the needs of
organizations that require the highest level of
recoverability. Retrospect is a proud member of
the StorCentric family of brands.

“Retrospect has been a great
product over the years. We’re happy
to be a reference.”

Dirk Bietau, IT Director