



Indiana Tech Plan 2020

For question explanations, please consult the [posted guidance document](#).

School Corporation

Carmel Clay Schools 3060

District Technology Website URL

<https://www.ccs.k12.in.us/services/technology-data-solutions>

District Logo Graphic URL

<https://drive.google.com/file/d/0B6la9435XMJPcIVBWW1XYW05LUk/view>

Technology Personnel

Technology Lead

Christi Cloud

eMail

ccloud@ccs.k12.in.us

Title

Technology Director

What certifications have you obtained to support your work?

MBA

Approximate FTE technician/support in district 16

Approximate FTE integration coaches in district 1

Approximate FTE state reporting position(s) in district 1

What is the approximate (or average) salary for these (or comparable) positions in your district?

	Salary Estimate
Tech Lead	\$75,000 - \$79,999

	Salary Estimate
Network Administrator	\$85,000 - \$89,999
Database Manager	\$75,000 - \$79,999
Technician	\$50,000 - \$54,999
Integration Coach	\$75,000 - \$79,999

What is the approximate (or average) years of experience of these (or comparable) positions in your district?

	Experience
Tech Lead	11-15 years
Network Administrator	21-25 years
Database Manager	11-15 years
Technician	6-10 years
Integration Coach	0-5 years

Technology Integration

Vision for Technology Integration into the school corporation's curriculum:

The vision for technology in CCS supports and enhances our overall vision to "provide opportunities for all students to realize their potential in an ever-changing world." Through meaningful integration of technology, teachers will provide more authentic opportunities for collaboration and communication, increase student engagement and innovation, and move towards student driven learning experiences. As a result, the students of CCS will continue to grow academically and will graduate being prepared for college and careers.

% of content that is physical textbooks 100%

% of content that is purchased digital content 90%

% that is digital content curated/created by teachers 30%

Has your district promoted Open Educational Resources (OER)? No

Does your district offer organized eSports opportunities?

Studying/planning

Infrastructure

What do you use for your primary classroom display?

Projecting with Morroring 360 technology (projector only, whiteboard brand, etc)

Total internet access capacity for the district (Mbps)

5,000

Average utilization of this capacity

80-89%

Current wide area network (WAN)

WAN: Fiber - All Sites

Additional WAN info:

AT&T, 500meg to elementary/ 2 gig to middle school and high school.

District Wi-Fi access deployed

All Schools

Wi-Fi access allowed for:

School devices

Teacher BYOD

Student BYOD

Guests

Away from school access initiatives

Partner with local Internet providers

Partner with library

Future plans for network improvement

During the summer of 2020 we will be increasing the district's internet bandwidth to 9gigs. As well as upgrading our buildings' LAN to 10gig connection between the MDF and IDFs. Carmel Clay Schools will be upgrading our firewalls to keep up with increasing cyber security threats while still allowing the vital access to ever increasing web based curricular needs.

Platforms

District's primary LMS

Canvas

District's SIS

Powerschool

PRIMARY collaboration & productivity platform

Google Apps for Education (G Suite)

Blended and Virtual Learning

What external providers do you work with for virtual courses?

Edmentum

Indiana Online

Reading/ELA curriculum solutions currently in use (check all in use):

Achieve3000

Newsela

Tumblebooks

Mathematics curriculum solutions currently in use (check all in use):

ALEKS

Big Ideas Math

Everyday Mathematics

Pearson MathXL

Other curriculum solutions currently in use (check all in use):

BrainPop

Cengage

Code.org

Common Sense Media

Khan Academy

Pearson Realize

PLTW

Is your district using eLearning days?

eLearning days were implemented as a result of Covid-10 pandemic

What steps is your district taking to improve the quality of your eLearning days?

Because we launched eLearning for the first time during the Covid-19 pandemic, we will be collaborating with different stakeholder groups to gather feedback about what successes and challenges they encountered throughout their eLearning experience. From that feedback we will evaluate if we want to continue with eLearning days as a part of our regular practice in the future. Should we determine that we will continue with eLearning, we will adjust our guidance/expectations on eLearning days for teachers and families and develop professional development experiences that will support teachers in refining their eLearning practices.

Cybersecurity

How often is cybersecurity a topic of discussion at your cabinet level meetings?

Several times a year

How much money does your district have budgeted for cybersecurity?

Consistent funding, but not enough

How does your district budget for cybersecurity today?

Operations budget (annual allotment)

Have you conducted a phishing security test?

Yes

In your district, which of these areas are in need of further development or support?

Risk analysis

Internal penetration testing

External penetration testing

Phishing campaigns

Password procedures

Vendor practices

Data security

Denial-of-service attacks

Ransomware attacks

Physical security of equipment rooms

What hardware/software do you use for:

	Current solution in use
Firewall	Palo Alto
Web filtering	Palo Alto transitioning to Content Keeper

	Current solution in use
Intrusion prevention	Palo Alto - Limiting access to only needed device IP addresses and ports as well as only allowing connections to from the US, is a type of prevention.
Centralized logging	Kiwi Syslog
Endpoint protection	Avast transitioning to Sentinel One
User tracking	Clearpass, Palo Alto
Network monitoring	Clearpass, ZENOSS, PTRG
Mobile device management (MDM)	Filewave
Single sign-on (SSO)	Rapid Identity

When you are searching for cybersecurity information, what trusted sources do you look to?

National level:

- MS-ISAC
- US DHD
- CISA
- NIST

Local/state:

- COSN
- HECC

Professional Development

Technology training

Vendor supplied trainings

Internal instructional technology coach(es)

Technology focused faculty meetings

Peer technology sharing

Teachers encouraged to attend IDOE summer conferences

State or national technology-related conferences

Describe your current focus for Professional Development and plan to provide in-service training over the next three years:

We will continue to work on differentiated, job-embedded professional development that focuses on meaningful and transformative usage. Additionally, we will be working to infuse Indiana's K-8 Computer Science standards throughout our professional development plan. We will continue to work on digital citizenship for our students and staff, including specific training on student and staff data security and privacy.

1:1 Status

District 1:1 status

1:1 at most grade levels

1:1 grade levels

2

3

4

5

6

7

8

Total number of student devices in use in your district

17,390

At what level do students begin to take devices home?

6

Devices

Grades K-2

HP Chromebook

Grades 3-5

HP Chromebook

Grades 6-8

HP Chromebook

Grades 9-12

Not 1:1

Current device notes

What is your primary 1:1 device for grades 9-12? * Not 1-1 mixture of devices available. K-1 is at a 1:2 ratio Our High School supports BYOD and has carts of ipads, Chromebooks and windows devices available for student use.

Estimate the break rate (%) for student devices:

10

How do you handle repair costs for 1:1 devices?

Non-accidental damage charges may be assessed

Are devices filtered away from school?

Yes - same as school

Planning

1:1 funding streams

Capital Projects Fund

General Obligation Bond

Future plans and schedule for replacing current devices

We are currently exploring options for student tech teams and the training that might be needed.

Criteria for selecting new technology

Carmel Clay Schools keeps a close eye on the ever-developing landscape of technology products. When new technologies are introduced, we first look to determine if the technology is an instructional match with our curriculum. If a match is found, we review the terms of use and privacy policy to ensure it is safe for use in our schools. We often then begin with a small pilot program before introducing the tool throughout our environment.

