Happy New Year

WELCOME TO 2020

Guiding Questions:

▶ What are the technology skills of the future?

▶ How can we, or should we, be preparing our high school students for this world?

Technology in Secondary Schools
The past decade at a glance

2009/2010

- Sentinel Secondary was the only school in WV to have a Computer Immersion Program for grades 8 and 9.

- Approximately 45 students utilized personal devices to complete much of their core course work

Technology in Secondary Schools
The past decade at a glance

2012/2013

▶ Computer Immersion Program becomes redundant as all 3 WV Sec. schools offer 'Tech Infused' environment for **ALL** grade 8/9 students

Technology in Secondary Schools
The past decade at a glance

2015/2016

▶ All grades in all WV secondary schools are:

   ▶ Tech friendly (encouraged to bring their own device)

   ▶ Able to access SD45 email accounts

   ▶ Using Google Classroom

Technology in Secondary Schools
The past decade at a glance

2010

- Secondary tech course offerings included:
  - Information Technology 9 and 10
  - ICT: Computer Information Systems 11/12
  - Visual Media Arts
  - Film/Video Studies

Technology in Secondary Schools
The past decade at a glance

2020

- Mechatronics/Robotics
- Focus on Information Technology Certification (FIT)
- Animation
- Coding
- TEALS – Technology Education and Literacy in Schools
- Engineering
- Software Development (GITHUB)
- Computer Programming 11/12
- AP Computer Science 12A
- Digital Music Composition and Production 11
- E-Commerce/Digital Marketing

MECHATRONICS/ROBOTICS

MECHATRONICS/ROBOTICS

Technology Skills of the Future

Technology Skills of the Future

The 2019 Top 30 Global Medical Device Companies

THE TOP COMPANIES

Computer Services Industry

Technology Advancements of the Future

- Software developers
- Market research analysts and marketing specialists
- Financial managers
- Management analysts
- Accountants and auditors
- Solar photovoltaic installers
- Wind turbine service technicians
- Statisticians
- Mathematicians
- App Developers

Our Graduates

Digitally Responsible Youth

- Safer Schools
- Jesse Miller
- Safeteen
- Creating Digitally Responsible Citizens!
- https://bccpac.bc.ca/index.php/resources/42-student-safety/693-digital-youth

Preparing for the Future

- Continue to explore STEM fields along with coding, animation, design, digital media and more

- Providing opportunity, connections and exposure

- Link between education and the real world

- Career Life Education (CLE) and Career Life Connections (CLC)

- Adapt to the changing needs of our world, while supporting our students to become deeper and stronger critical thinkers, problem solvers and visionaries

- Digitally Responsible Citizens!

What Next?

2020 – 2030?

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