

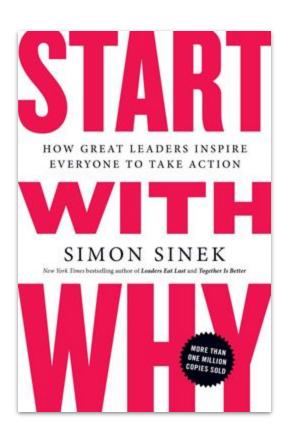


Amplify Oshkosh Modernize Change

OASD Changes and Challenges (Past, Present, and Future)

Dr. David Gundlach

Deputy Superintendent
Oshkosh Area School District
david.gundlach@oshkosh.k12.wi.us
@davidgundlach

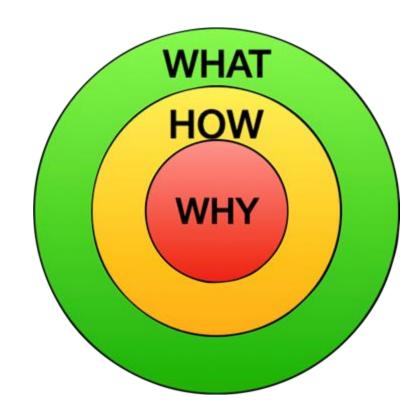


The Golden Circle

WHYThe Purpose

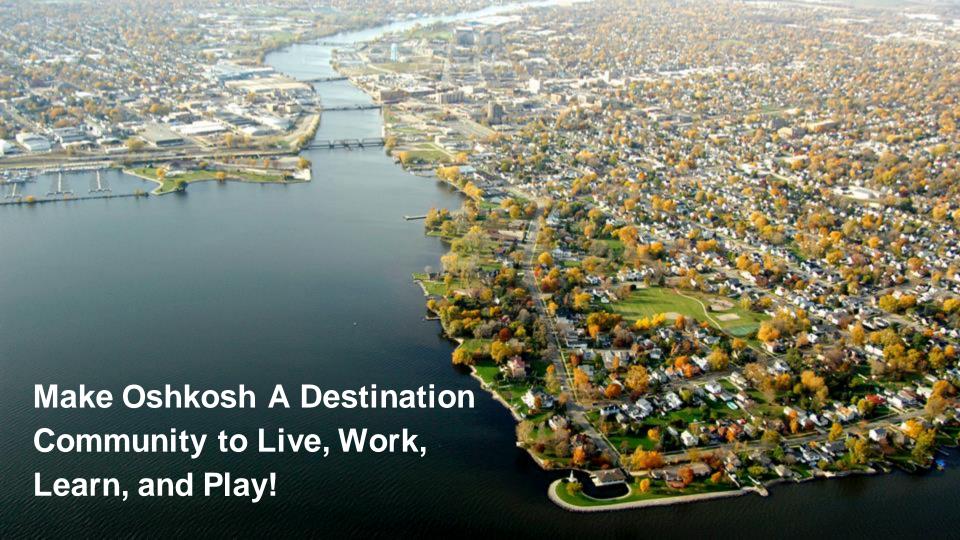
HOWThe Process

WHAT
The Results











The Past

OASD Challenging Past

- District severely under-resourced in all areas especially Technology
- No technology leadership for 2 years
- Technology "optional" and unsupported
- Frequent outages led to limited student use and frustration
- Computer lab and isolated vs. embedded into instruction
- 100+ year old facilities with \$116 Million in facility repairs
- District and community not communicating
- Enduring perception/reality gap



Technology Optional Education







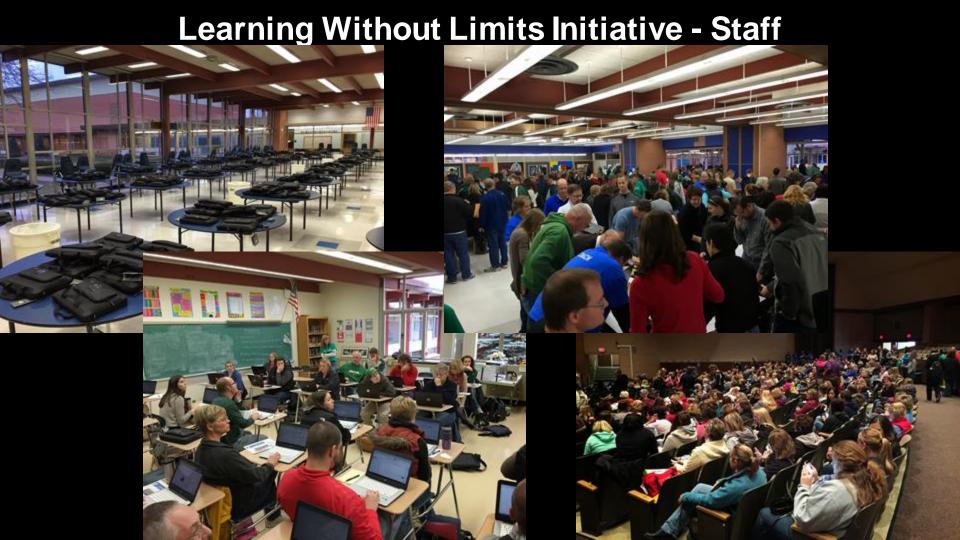


The Present

Rapid Infrastructure Improvements







Learning Without Limits Initiative - Staff



Learning Without Limits Initiative - Grade 9-12



Learning Without Limits Initiative - Grade 6-8



Learning Without Limits Initiative - Grade K-5



Learning without Limits

ROUND

4 Phases - 3 Rounds - 3 Referenda

	Description	Round 1	Round 2	Round 3
Phase 1	State of the art infrastructure	13-14	17-18	21-22
Phase 2	Embedded PD (IST-TI)	14-15		
Phase 3	Provide staff with technology	14-15	18-19	22-23
Phase 4	 Provide students with technology Grades 9-12 Grades 6-8 Grades K-5 	15-16 16-17 17-18	19-20 20-21 21-22	23-24 24-25 25-26

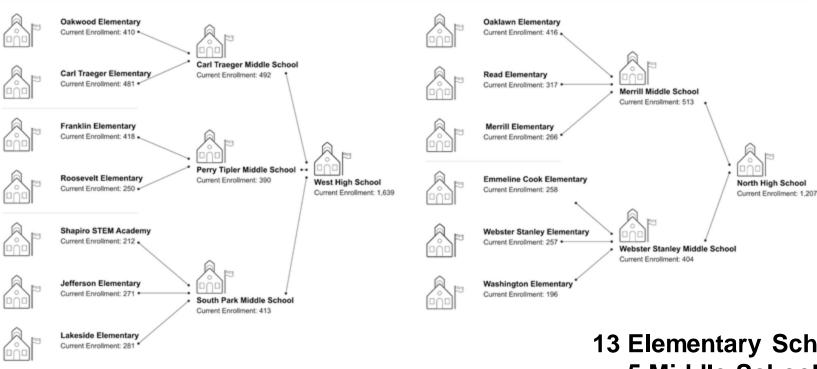
OASD Facilities through 2022-23 (20 Schools)

WEST DISTRICT ORGANIZATION CHART

1,295 | Total Middle School Students

2,323 | Total Elementary Students

NORTH DISTRICT ORGANIZATION CHART



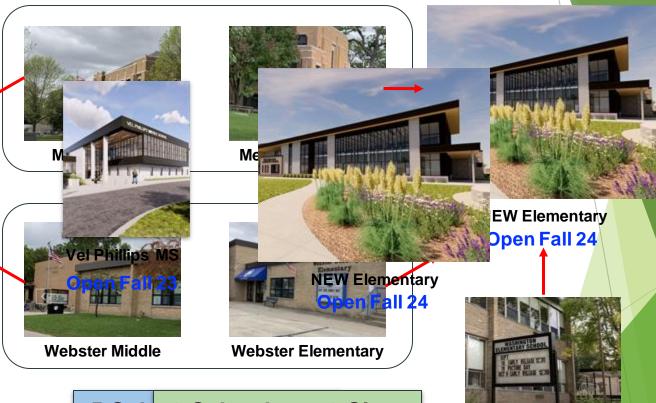
1,710 | Total Elementary Students

13 Elementary Schools
5 Middle Schools
2 High Schools
Multiple 4K sites

Phase 1: OASD Future Ready Schools







Washington Elementary

5 Sch 2 Schools on 2 Sites

Vel Phillips Middle School



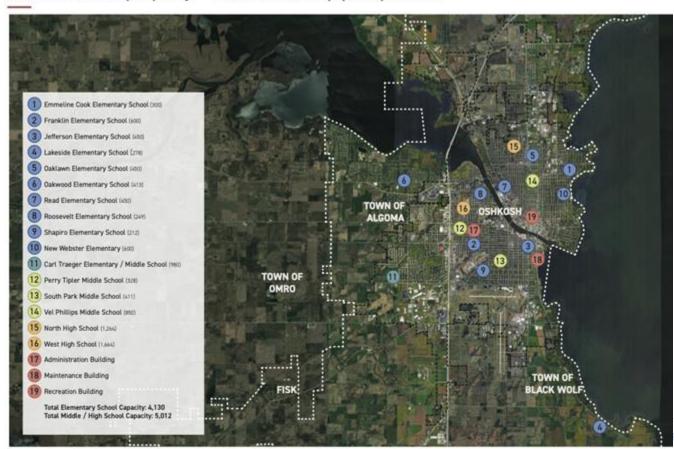
Menominee Elementary School



Future Look - Post Phase 1 (17 schools)

district-owned property + boundaries map post phase 1

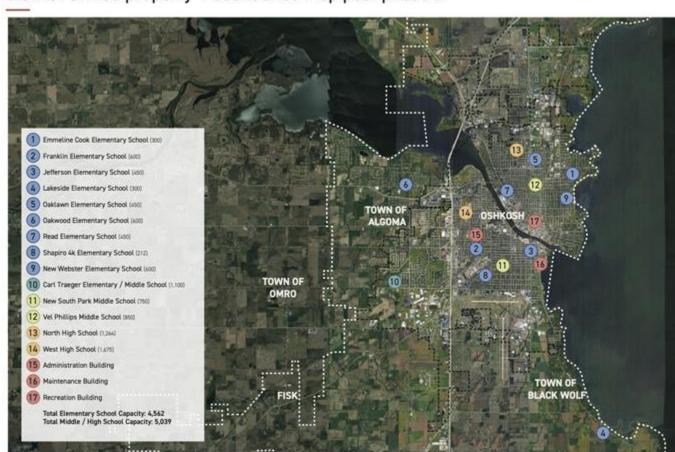
11 Elementary Schools
4 Middle Schools
2 High Schools
Multiple 4K sites



Future Look - Post Phase 2 (15 schools)

district-owned property + boundaries map post phase 2

1 4K Center
9 Elementary Schools
3 Middle Schools
2 High Schools





Unexpected Challenges



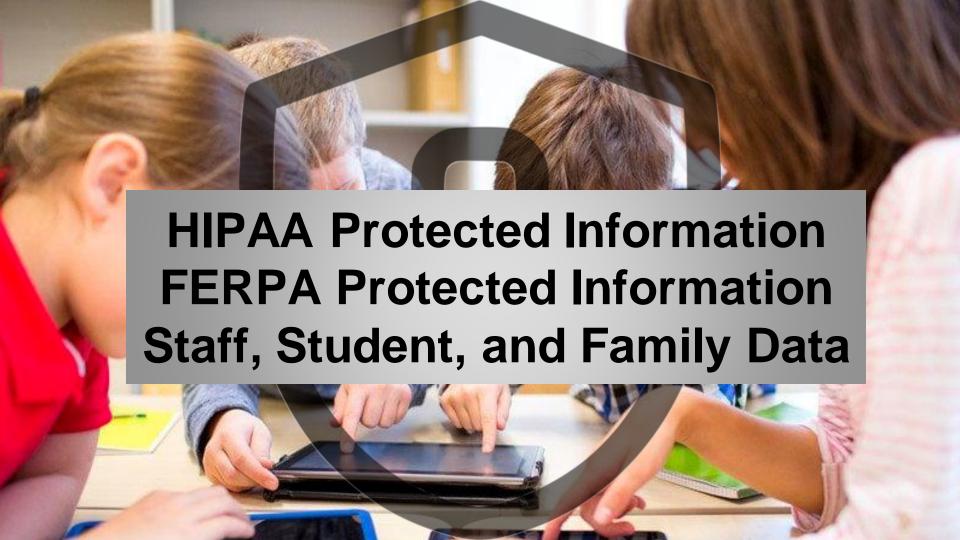


COVID Challenges

- Broadband access limitations (500 WiFi Hotspots)
- Addition of 1,800 Chromebooks for K-2 students
- LMS (Canvas) adjusted for K-2
- Feeding children and families creation of "drive-thru" system



Cybersecurity





Data Team

- Meet weekly on Mondays
- Have a running agenda with minutes
- Start by reviewing requests for data
- Decisions come from the "Data Team" vs. individual staff member
- Initial purpose was for IC access requests - IC group configuration
- Timeframe: 30-60 minutes max



Data Team Agenda and Minutes

2019 - 2023 School Year

This document serves as a running agenda and minutes for the data team meetings. The most recent information will be at the top of the document.

Parking Lot Agenda Items 2022-23

- □ Position Control Weekly Review
- □ Powerschool HR/Finance Transition
- IC Access Requests

10/17/2022 Meeting

- Priority Work and Updates
 - Update from Powerschool meetings
 - Keycard restrictions status?
- Project Listing
 - □ Technology Services Manager
 - Enter here
 - Special Education
 - Enter here
 - SIS Manager and Asst. SIS Manager
 - Aaron Herm Behavior Request for counselor and sped notifications
 - Working on Vel Phillips set-up in sandbox
 - Craig and Rachael working on bus info on addresses
 - PD Secretaries/Google
 - □ Shonda/IC Conference
 - Human Resources
 - Enter here
 - Database Developer
 - Name Changes
 - UX Analyst
 - Enter here
 - Curriculum and Assessment
 - ☐ Enter here



Data Security - More than just Data Governance

INFOSEC | Q Data Security Training/Phishing





Grade K-8 Students Email Internal Only





Data Security & Privacy - Faster than the other guy...



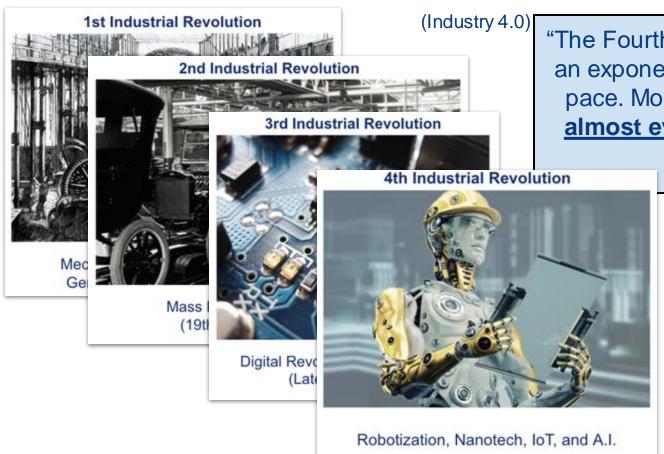
"You don't have to run faster than the bear to get away. You just have to run faster than the guy next to you." ~Jim Butcher





The Future

4th Industrial Revolution

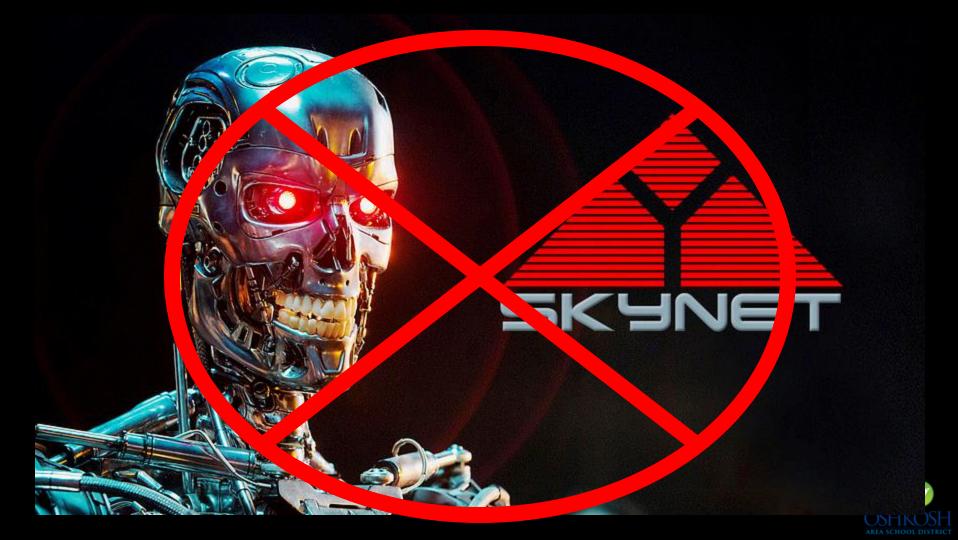


"The Fourth revolution is evolving at an exponential rather than a linear pace. Moreover, it is <u>disrupting</u> <u>almost every industry in every country."</u>

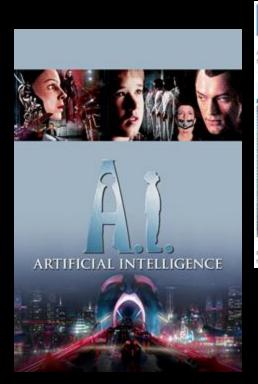
~Klaus Schwab, (World Economic Forum)

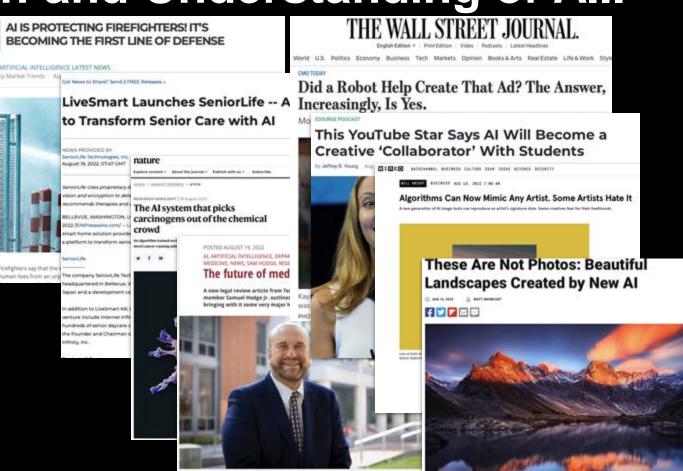


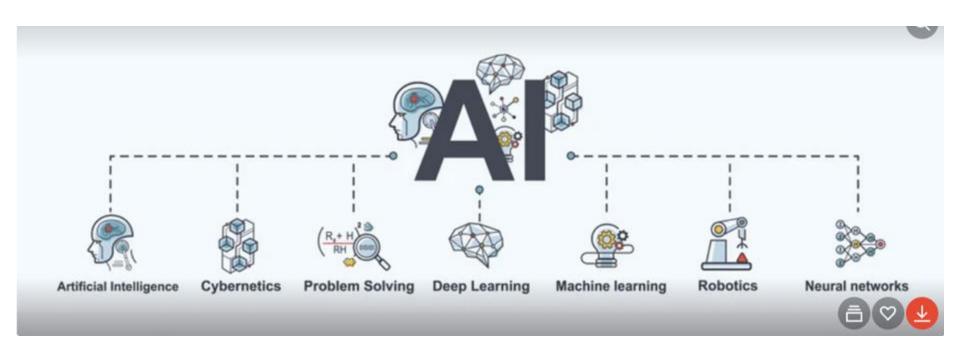




Evolution and Understanding of A.I.









A.I. - Coming to a car near you!





(Getty Images)

Philly transit to try Al video for gun detection

The Southeastern Pennsylvania Transportation Authority is preparing to become the nation's first major transit system to employ technology from ZeroEyes, an Al-powered video platform that alerts public safety officials when a firearm is detected. By running a six-month trial on 300 live cameras next year, officials said they hope the artificial intelligence technology will prove a viable tool to prevent gun-related violence on train platforms serving the Philadelphia metro area. An authority spokesperson told The Daily Pennsylvanian that while incidents of gun-related violence are "very rare" on its trains, "even one is too many." Colin Wood has more.

DECEMBER 9, 2022

Aging is driven by unbalanced genes, finds Al analysis of multiple species

by Northwestern University



Credit: Unsplash/CC0 Public Domain



Universal vaccine advancement through AI and recombinant technology

Download PDF Copy

Reviewed by Alex Smith

View Supplier Profile

Sponsored Content by Sino Biological Inc.

Oct 3 2022

Thought Leaders

Dr. Amy Sheng, Dr. Lurong Pan Technical Account Manager, CEO Sino Biological Inc., Ainnocence



In this interview, NewsMedical talks to Dr. Amy Sheng, a technical account manager at Sino Biological, and Dr. Lurong Pan, founder and CEO of next-generation biotech startup Ainnocence, about how artificial intelligence (AI) can be used in combination with high throughput production and screening to enhance the development process for potential universal vaccines.

How can vaccines keep up with evolving Covid-19 variants?

BY JONATHAN SMITH JULY 28, 2022 - 7 MINUTES U h B O



Vaccines for COVID-19 have saved lives all over the world, but their protection is threatened by the rise of variants of concern. Companies are developing ways to combat the evolving virus, such as booster shots and universal coronavirus vaccines.



4 hr 21 min ago

What you need to know about today's nuclear fusion announcement — and what comes next

MAGAZINE NEWSLETTERS PODCASTS MORE ~

SEARCH

SIGN IN



Artificial Intelligence

Cryptocurrency

Metaverse

Cybersecurity

Tech Forward

TECH · ARTIFICIAL INTELLIGENCE

DeepMind A.I. helps control nuclear fusion reaction, potentially producing more energy

BY JEREMY KAHN

February 16, 2022 at 10:00 AM CST











Time of Exponential Change



Intelligent exo-skeletons



Robot arm being used with brain signals @ Alain Herzog 2021 EPFL

Future Innovations

Working in VR



Car mechanic wearing VR glasses in a workshop working at car

Captions are provided by our contributors.



A toilet that analyses your deposits



Nanobots that check your health



3D printed organs



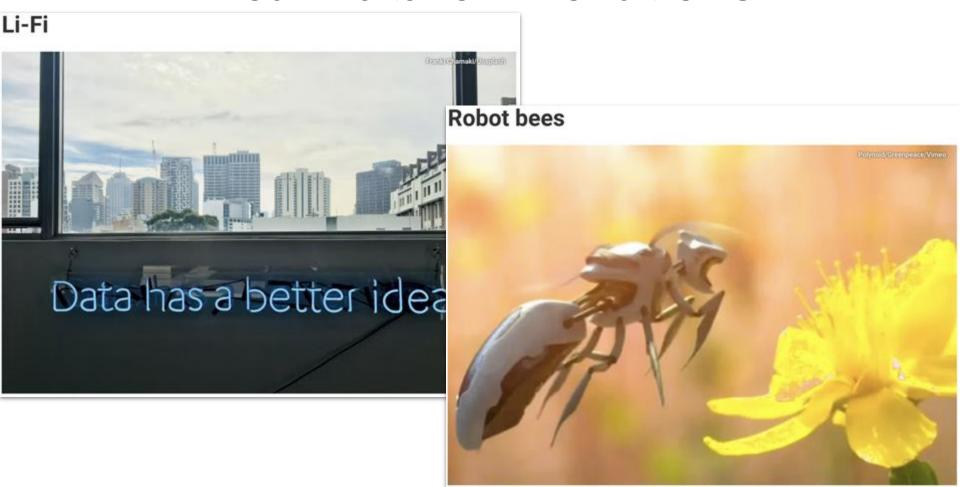
3D printed bones



3D printed bone implant @ Ossiform

Digital "twins" that track your health









ChallengingQuestions

How do we prepare students to compete and thrive in an exponentially changing future?







How do we access curricular time when our state accountability metrics don't measure future skills?

How Do We Prepare Students For Their Future?



A good hockey player skates to where the puck is, a great hockey player skates to where the puck is going to be

~Wayne Gretzky