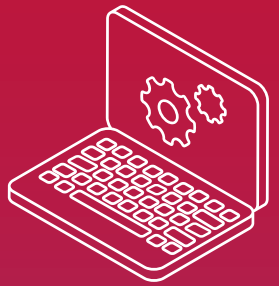
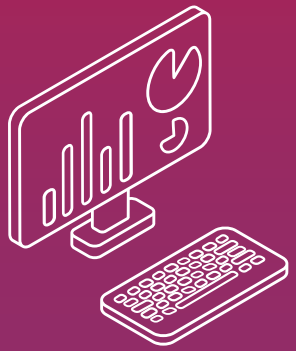


Technology Department

Southington Public Schools



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Technology Department

Steve Madancy, Superintendent

Tri-Tech Leadership Team

Jessica Poon, Information Systems Manager

Tyler Savage, Network Manager

Rebecca Savelkoul, Digital Learning Coordinator

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A BIG thank you to the staff!

Rit Campbell	Connor Barrows	Gayle Rossi
James Feldhouse	Manny Chavez	Taneta McCaw
Jorge Rovirosa	Aaron Hairston	
Tammy Sycz	Nancy Nardi	Chris Carvalho (Temporary)
Lura Terrace	(OPEN)	

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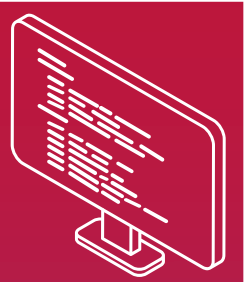
Information Systems



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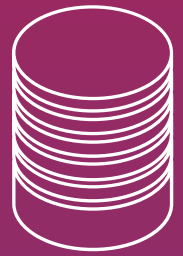
1. Students
2. Staff
3. Inventory/Help Desk



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Do you know?

How many students are enrolled in Southington Public Schools for the 21-22 school year?

Students, enter a number!

Pear Deck Interactive Slide
Do not remove this bar

Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Student Engagement

6400 students

- Demographics
- Class Enrollments
- Attendance
- Grades
- Discipline tracking
- Scheduling
- Report cards/Transcripts

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Student Systems

- PowerSchool
- CT State Report Reporting
  - PSIS
  - TCS
  - ED166
  - District Score Card

- Enrollment Dates
- Attendance
- ELL status/Native Language
- Race/Ethnicity
- Facility/School
- Special Education/504 status
- Free/Reduced Lunch
- Homeless Status
- Special Programs

POWERSCHOOL

CRDC
Civil Rights Data Collection

CSDE
CONNECTICUT STATE DEPARTMENT OF EDUCATION

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Student Systems

- PowerSchool
- CT State Report Reporting
  - PSIS
  - TCS
  - ED166
  - District Score Card

- Enrollment
- Teacher
- Grade
- Seal of Biliteracy

POWERSCHOOL

CRDC
Civil Rights Data Collection

CSDE
CONNECTICUT STATE DEPARTMENT OF EDUCATION

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Student Systems

- PowerSchool
- CT State Report Reporting
  - PSIS
  - TCS
  - ED166
  - District Score Card

- In-school suspensions
- Out-of-school suspensions
- Bus suspensions
- Expulsions
- All "serious" offenses
- All incidents involving Alcohol, Drugs or Weapons
- All bullying incidents

POWERSCHOOL

CRDC
Civil Rights Data Collection

CSDE
CONNECTICUT STATE DEPARTMENT OF EDUCATION

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Student Systems

- PowerSchool
- CT State Report Reporting
  - PSIS
  - TCS
  - ED166
  - District Score Card

Connecticut's Next Generation Accountability System is a broad set of 12 indicators that help tell the story of how well a school is preparing its students for success in college, careers and life.

POWERSCHOOL

CRDC
Civil Rights Data Collection

CSDE
CONNECTICUT STATE DEPARTMENT OF EDUCATION

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Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC

  (Civil Rights Data Collection)

140 data points

- School & District Characteristics
- Discipline
- Offenses
- Harassment and Bullying
- Restraint and Seclusion
- Athletics
- Early Childhood Education
- Pathways to College and Career
- School Finance
- Teachers and other Personnel

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Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Student Engagement

ParentSquare

POWERSCHOOL

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Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Student Eng

PowerSchool Enrollment

POWERSCHOOL

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Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Student Engagement

SNAP Health Center™

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Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Student Engagement

SLIDESMANIA.COM

Student Systems

- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Studer

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Why are efficiencies important?

Note: If this asks you to log in, choose “Skip for Now” and close the Google window!

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Student Systems Efficiencies

- Develop more reports for data checking
- Work with building staff to improve their ability to keep data up to date
- Increasing number of applications added for rostering and SSO

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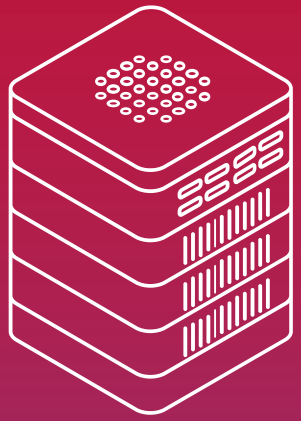
Staff Systems



- Alio
- Absence Management
- Time & Attendance
- Recruiting & Hiring

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Efficiency Improvements for our Staff

- Alio
  - Track more detailed information regarding staff positions/statuses
- Recruiting & Hiring
  - Clean up application process
  - Improve the interview process
- Absence Management
  - Going PAPERLESS!
  - Track all staff
- Time & Attendance
  - Transition to new system
  - Electronic timesheets

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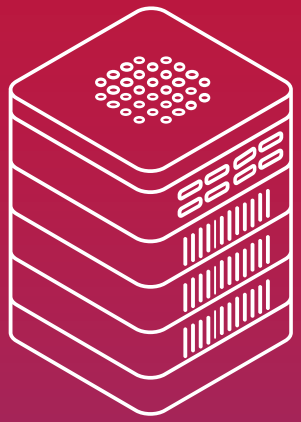


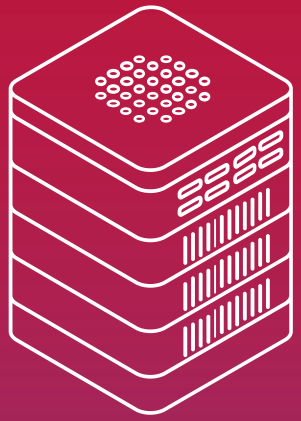
Do you know?

How many technology “assets” (devices, monitors, boards, adapters, printers, etc.) do we monitor in the district?

Students, enter a number!

Pear Deck Interactive Slide
Do not remove this bar

Inventory/ Help Desk



- Increased from 6,000 in the 19-20 school year to **17,000 assets** in the 21-22 school year
- New features for better inventory management

Help Desk Management

Asset Management

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Network and Infrastructure

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1. Progress & Goals
2. Five-Year Plan

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Progress Infrastructure

Issue Identified	Improvement to Date	Future Steps
Network Stability Issues ● Number of Devices on Network Network Security	Strengthened the Network ● WiFi Access Points, Main Access Switch Security ● Two Factor Authentication, Secure Print, Firewall ● Anti Virus, Ransomware Protection	Strengthen the network backbone ● Switches, Fiber Security ● Expand Ransomware Protection, Advanced Monitoring

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Progress Infrastructure

Issue Identified	Improvement to Date	Future Steps
Aging Equipment ● WiFi Access Points,, Projectors, SMART Boards, Servers, Switches ● Aging Laptops, Harvesting Parts ● Municipal Center Audio/Video equipment	Critical Servers Move to Cloud ● PowerSchool, Backups Apply for grants ● ECF - $834,000 ● Pegpetia Grant 5-year replacement plan	Asset Replacement Plan in Operating Budget & Apple Lease Continue Applying for Grants ● ECF - Next Round ● Erate ● Additional Grants Cloud-based

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Progress Infrastructure

Issue Identified	Improvement to Date	Future Steps
Configurations ● Cloud Funds ● School-based mindset ● Silos of knowledge	Get the most out of what we have ● Monitoring tools ● Maximize Configurations ● Automated Device Management (Meraki)	Identify additional efficiencies ● Continue Maximizing Meraki ● Software ● Devices

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Progress Department

Issue Identified	Improvement to Date	Future Steps
High Turnover Rate ● Re-Training ● Need for documentation School-based mindset Increase in overall number of assets, no increase in staffing numbers Repairs - Time Consuming	Increase Hourly Pay Staffing ● Reassigned staff to provide cross-training ● District perspective ● Increase emphasis on documentation	Staffing ● Request additional Tech Assistant ● Request additional Instructional Technology Specialist

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Drag the numbers from the right side to rate the areas in order of critical need

_____ Staff Devices/Chromebooks

_____ Access Points (provide wifi in buildings)

_____ Switches/Battery Backups (speed of traffic on the network)

_____ Servers (moving critical services to the cloud)

_____ Projectors/Interactive Displays

Students, drag the icons! 1 2 3 4 5

Pear Deck Interactive Slide
Do not remove this bar

5 Year Plan

Hardware	Current Average Age	Industry Standard Useful Life	"Comfortable" Useful Life	Funding Sources
Staff Devices	7	3	5	• Operating Budget • Apple Lease • E-Rate • Grants
Chromebooks	3	3	5	
WiFi Access Points	[redacted]	4	6	
Switches		4	6	
Servers		4	6	
Projectors/ Interactive Displays	11	8	10	
Battery Backups	10	6	8	

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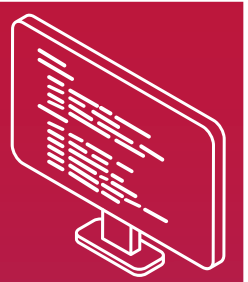
Instructional Technology



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December, 2019

My last presentation made two asks, so that we could increase the effectiveness and use of technology in the district.

One of them was an **increase in the amount of professional development** targeted toward technology.

Due to the combination of synchronous and asynchronous learning required in the spring of 2020, we were able to provide

187 hours

of TARGETED professional development options to support instructional technology.

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December, 2019

My last presentation made two asks, so that we could increase the effectiveness and use of technology in the district.

The second was to **increase the number of available student devices** so that teachers could plan on reliable access to technology.

We have **purchased more than 6,000 new student devices** to the district and have guaranteed a device K-12.

In addition, we have begun providing devices to staff who did not have regular access in the past. These include tutors, paras, maintenance, etc.

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Careful what you wish for…

So, now what?

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Goals

1. Increase teacher & staff input regarding technology use.
2. Increase awareness and capacity for current district technology.
3. Create targeted professional development opportunities.
4. Evaluate the effectiveness of all technology tools through the following questions:
    a. Does this increase the efficiency of our teachers, which frees them to do the really impactful teaching and learning with students?
    b. Does this create deeper learning opportunities for students, opening up access to information and people that would not be possible without the technology?

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Instructional Technology Committee

The Instructional Technology Committee discusses the training needs of classroom teachers and staff and provide input on:

- Professional Development topics
- Time, day, location of PD
- Use and issues regarding current software/hardware
- Current best practices in the classroom

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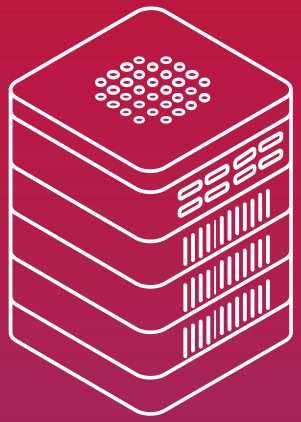

Padlet Response

Brainstorming Instructional Technology

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Programs & Online Tools

ELA

- STAR ($35,000/4,058 Students)
  - Benchmark Tool, K-8
- RAZ Kids ($10,450/2,647 Students)
  - Supplemental Reading
- Learning A-Z ($1,045/330 Students)
  - Intervention Program
- Lexia ($15,000/500 Students)
  - Intervention Program
- Read Naturally ($3,550/180 Students)
  - Intervention Program
- CommonLit ($2,750/2,018 Students)
  - Supplemental, 9-12

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Programs & Online Tools

Math

- iReady Pathway ($52,000/4,058 Students)
  - Benchmark Tool, K-8
- iReady Intervention ($10,500/100 Students)
  - Personalized Program, 6-8

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Programs & Online Tools

Science

- Generation Genius
  - $750/444 students
- Gizmos
  - $7,350/1,411 students
- Mystery Science
  - $10,000/4,850 students

Social Studies

- Newsela
  - $33,689/3,429 students
- Infobase Learning
  - $5,204/2,018 students
- Proquest Databases
  - $4,940/3,429 students

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Programs & Online Tools

Other Subject Areas

- Adobe Creative Cloud - Photoshop
  - Art
- Cameyo - virtual access to software for remote only
  - Art
  - PLTW
- Make Music & Soundtrap
  - Music
- Language Lab and Gimkit
  - World Language

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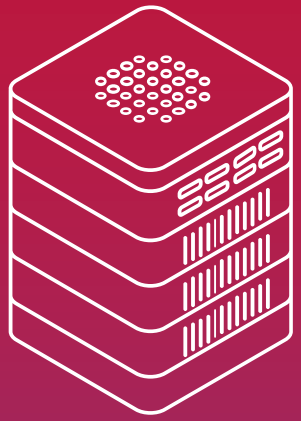

Which of the following was the benchmark tool for math?

A: STAR
B: RAZ Kids
C: iReady
D: Newsela,

Programs & Online Tools

Instruction Management Tools

- ClassLink - Single sign-on for over 60 digital tools
  - $23,144/6,076 students and 1,100 staff
- GoGuardian - Home and school filtering for COPPA compliance
  - $23,019/6,076 students
- Gaggle - Monitoring & alert system
  - $22,000/6,076 students
- ParentSquare - School and home communication
  - $32,630/6,076 students, 1,100 staff, and 8,500 parent accounts

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ClassLink

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Programs & Online Tools

Instruction Management Tools

- ClassLink - Single sign-on for over 60 digital tools
  - $23,144/6,076 students and 1,100 staff
- GoGuardian - Home and school filtering for COPPA compliance
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- Gaggle - Monitoring & alert system
  - $22,000/6,076 students
- ParentSquare - School and home communication
  - $32,630/6,076 students, 1,100 staff, and 8,500 parent accounts

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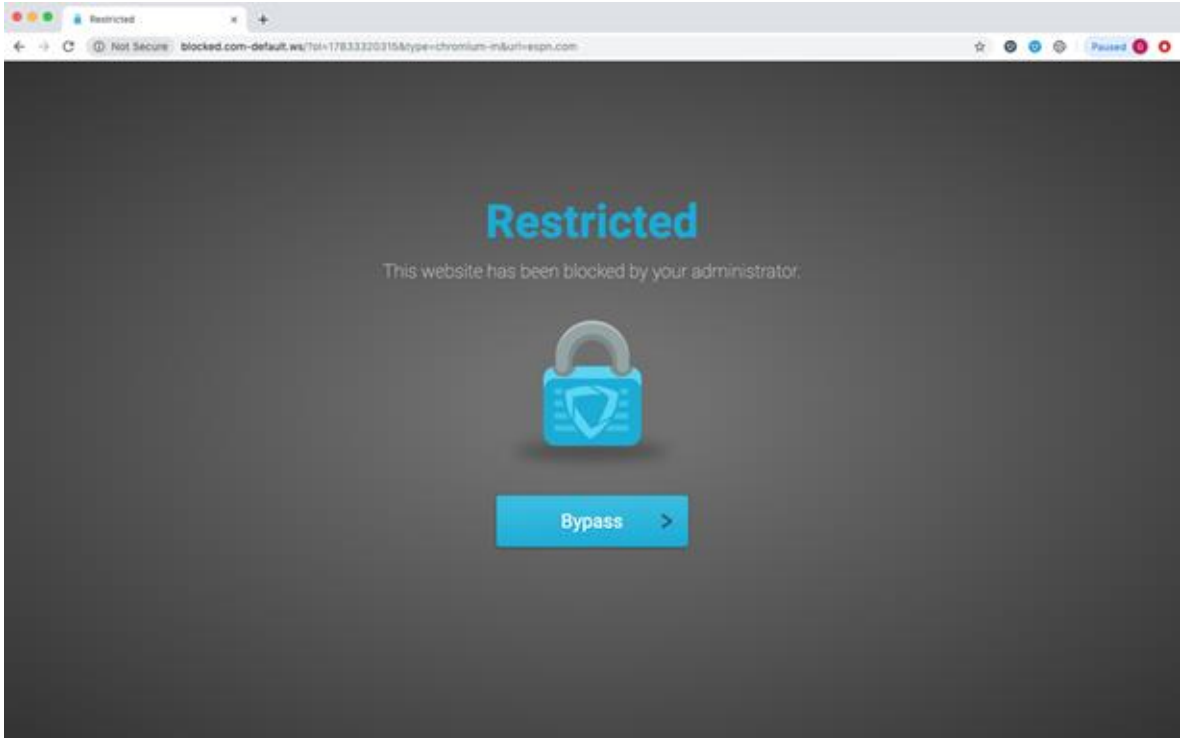
GoGuardian



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Programs & Online Tools

Instruction Management Tools

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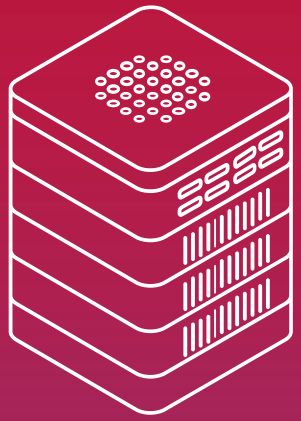
Gaggle



QUESTIONABLE CONTENT

User Name: [redacted]
User Email:
File Owner:
School/Group: Southington High 11th Grade

Source: **Google Drive**
Content Type: **vnd.openxmlformats-officedocument.wordprocessingml.document**
Threat Type: **suicide**
Keywords: **kill me**
File Name: English CCP Quote Reflection.docx
File Id: **1-Zo0HI5mLaZJ23IfkYYX6dkreLFNVI1XmBI8i9j7i4A**
Gaggle File Version: **24**

Note: This incident references suicide.

User ID: 926d4721-c2a1-11e9-b361-1866dafcab04
Ref#: 50d97c57-7cba-4228-9cb4-906168f97c29
Safety Rep: Emily

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Programs & Online Tools

Instruction Management Tools

- ClassLink - Single sign-on for over 60 digital tools
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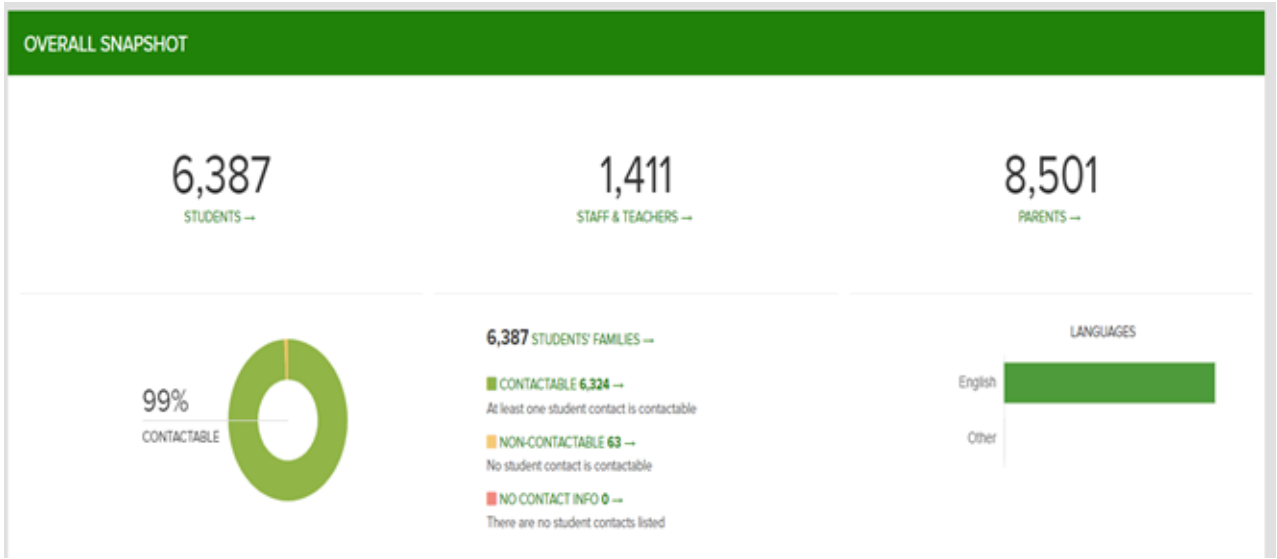
ParentSquare



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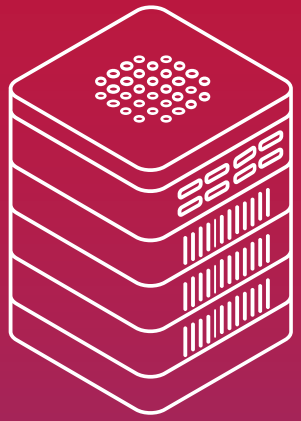

Using the mouse, add a dot next to the tools you see value in for our district.

ClassLink - Single sign-on for over 60 digital tools

GoGuardian - Home and school filtering for COPPA compliance

Gaggle - Monitoring & alert system

ParentSquare - School and home communication

Students, draw anywhere on this slide!

Pear Deck Interactive Slide
Do not remove this bar

Programs & Online Tools

Instruction Management Tools (con't)

- Lyman Systems Data Warehouse - student data tracker
  - $6,240/800 staff
- EduPlanet21 Curriculum Warehouse
  - $3,380/100 curriculum writers per year
- SMART Online Suite - Tools for SMARTBoard lessons
  - $3,120/101 teacher licenses

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Programs & Online Tools

Instructional Tools, non-curricular specific

- PearDeck - formative assessment in Google Slides
  - $19,344/6,076 students
- Padlet - Online discussion and idea organization tool
  - $2,000/6,076 students
- Kami - PDF editor and interactivity tool
  - $18,000/6,076 students
- Canvas - Learning Management System, Grades 6-12
  - $28,416/4,058 students

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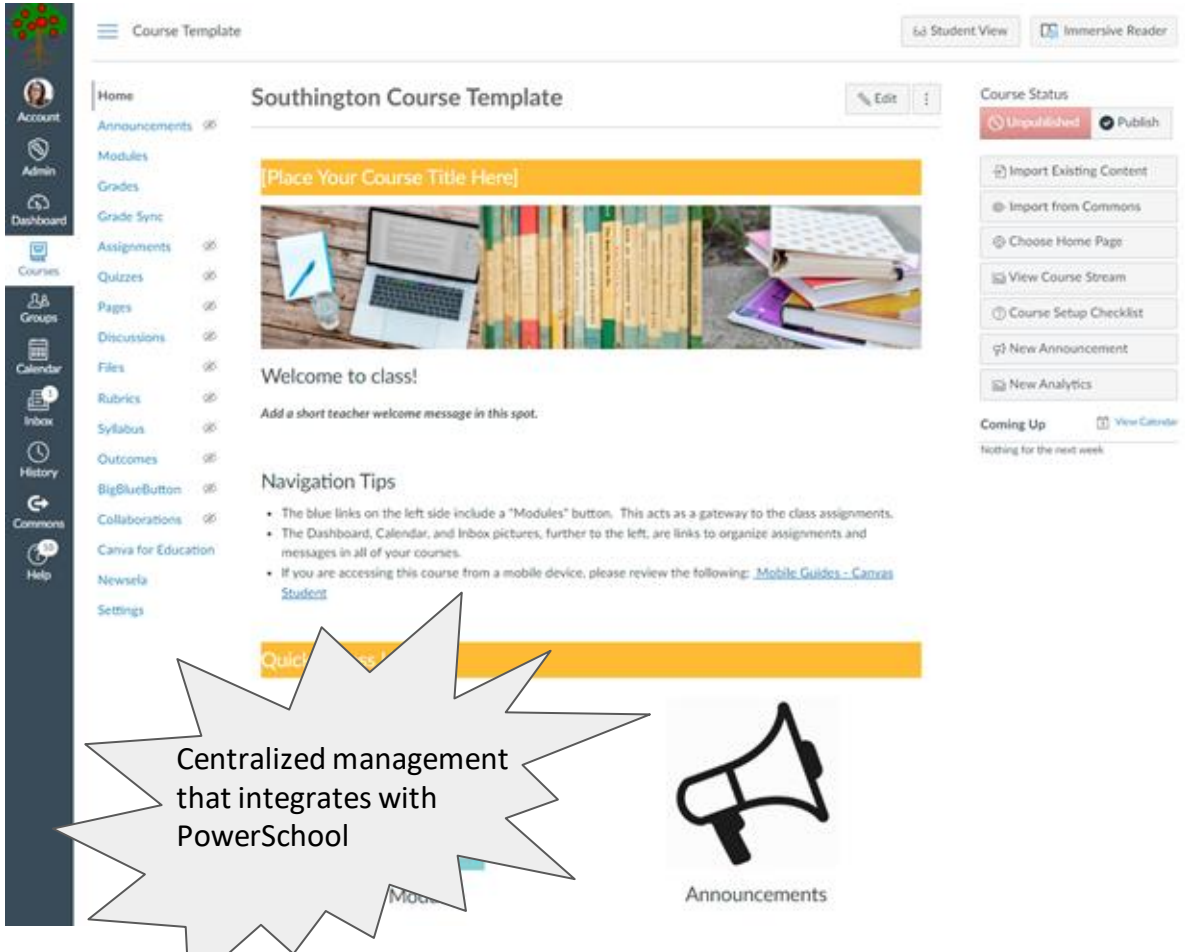
Canvas



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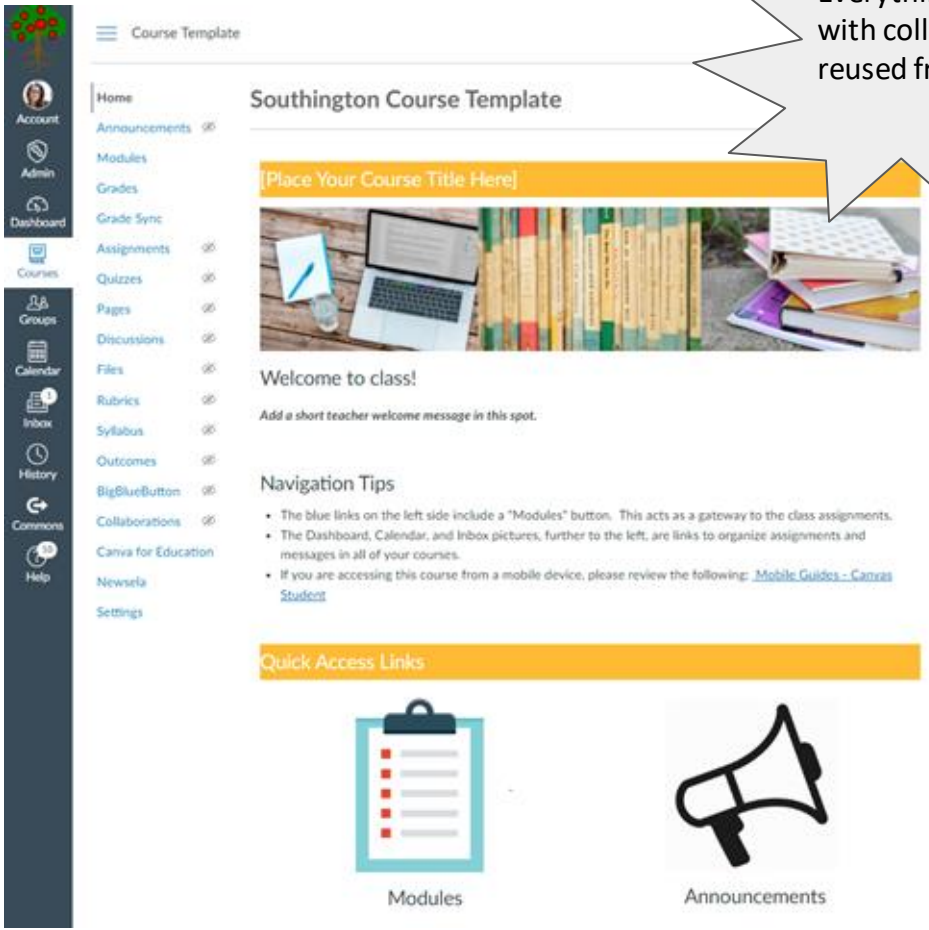
Everything can be shared with colleagues and reused from year to year.



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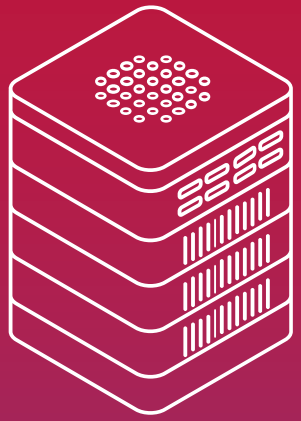

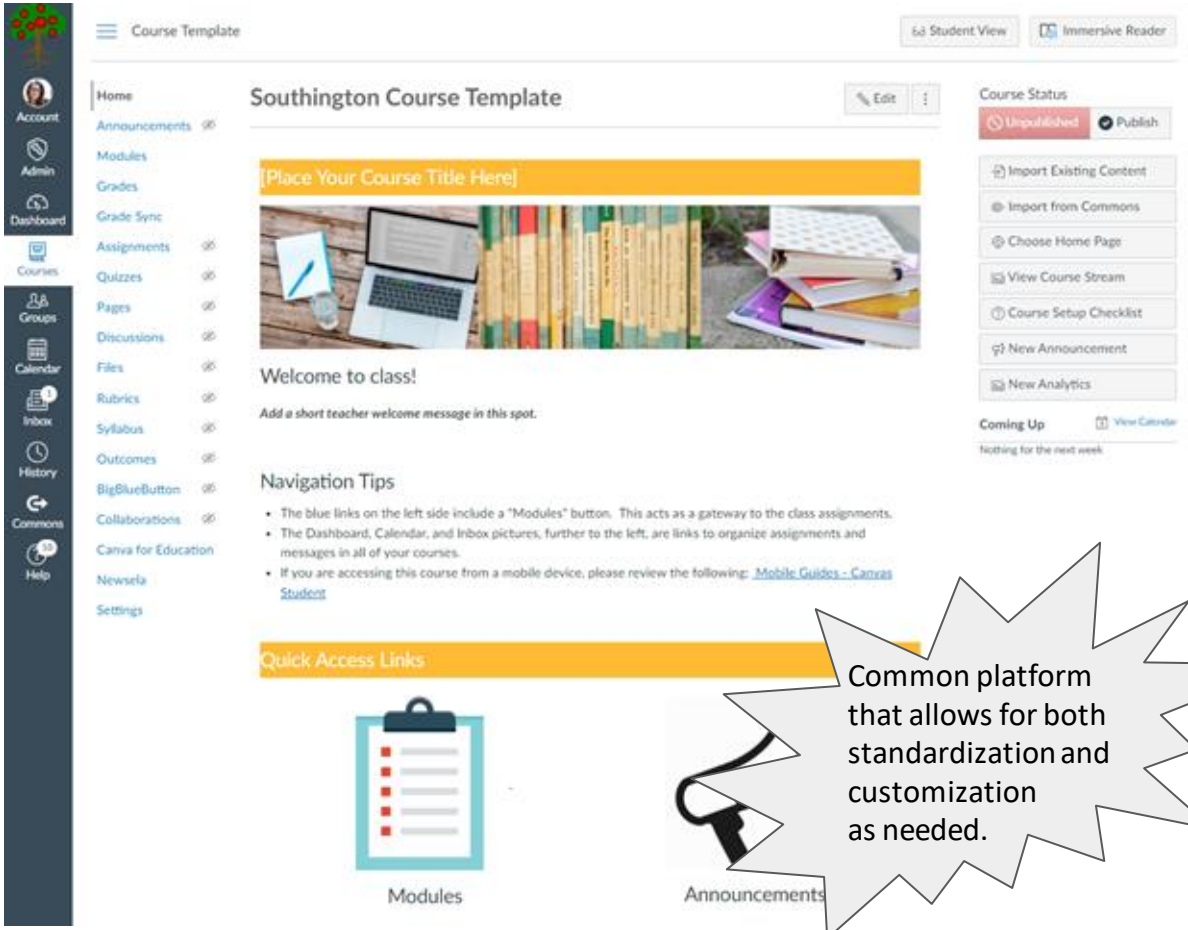

Common platform that allows for both standardization and customization as needed.

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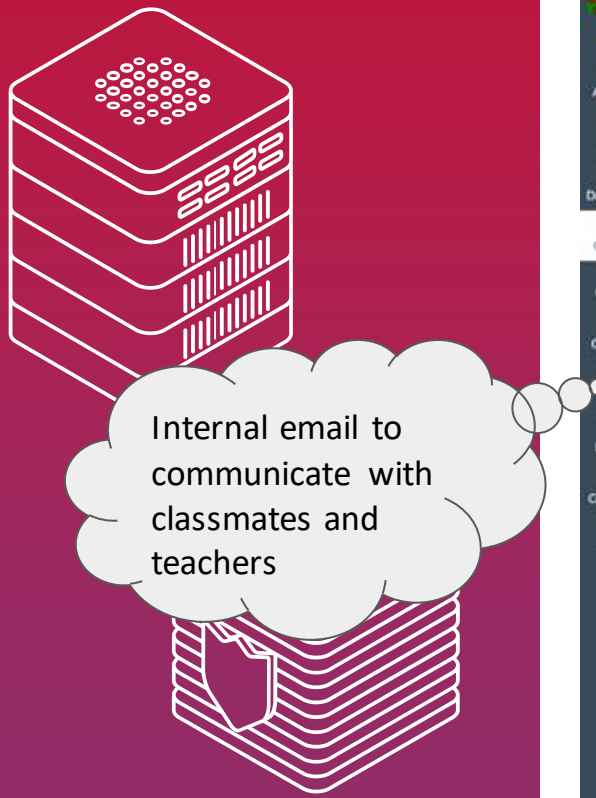

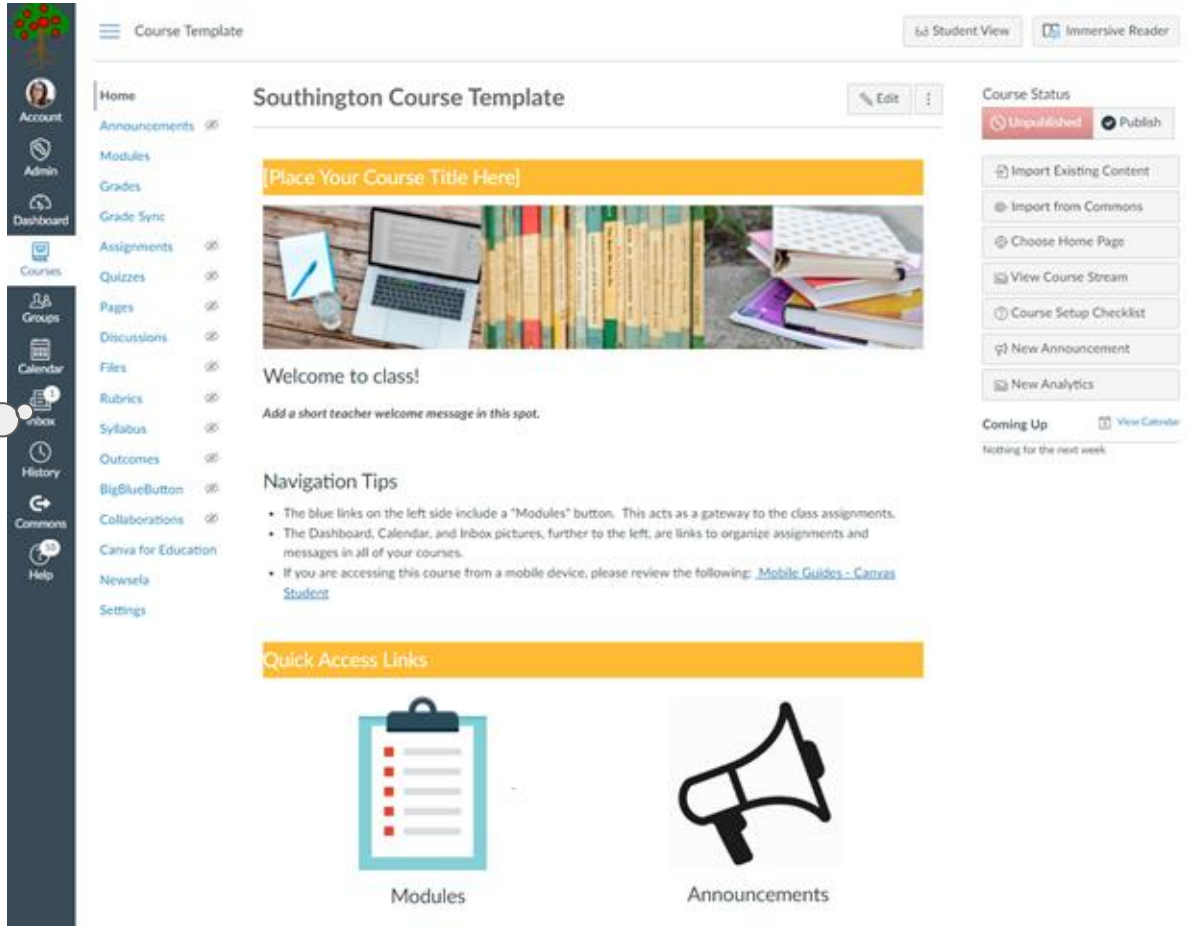

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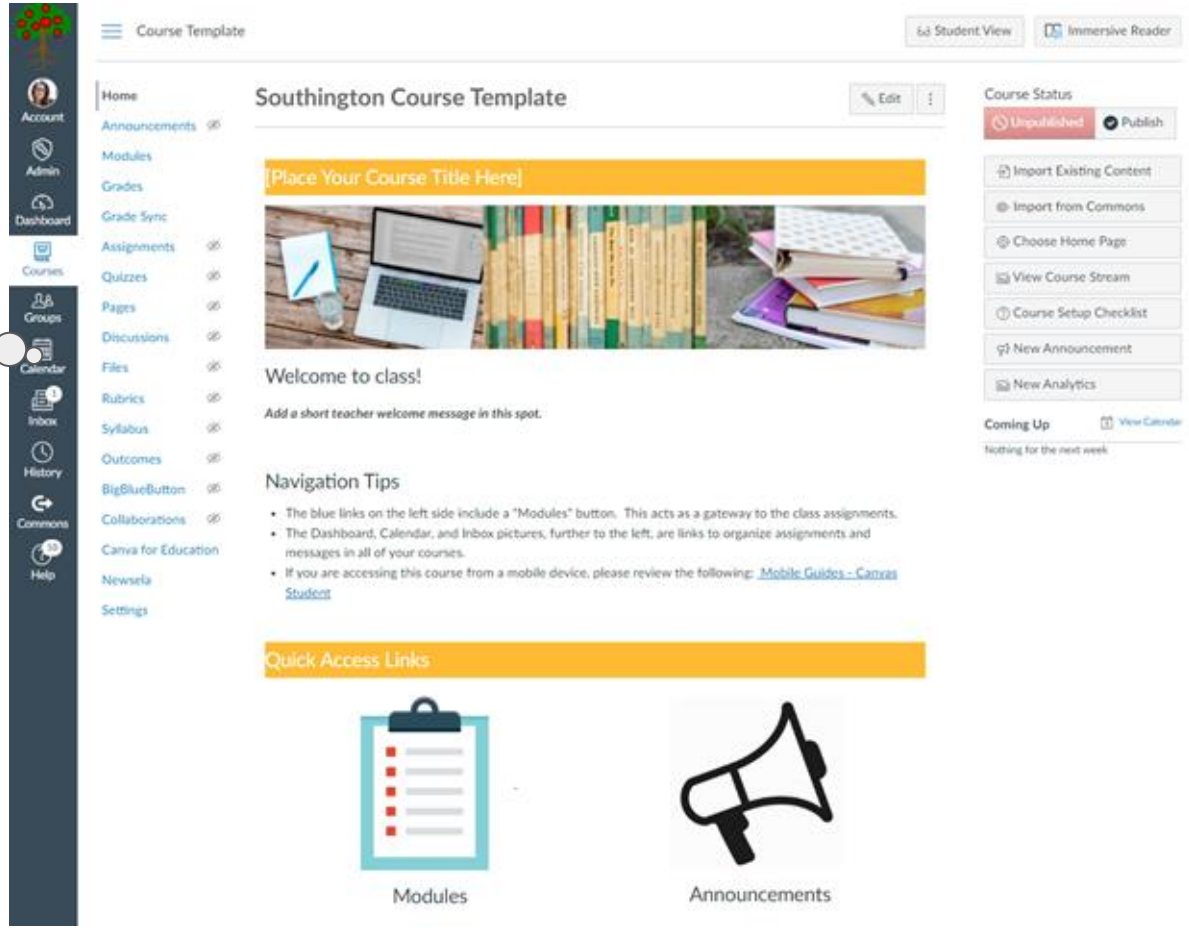
Custom Calendar for tracking assignments and due dates



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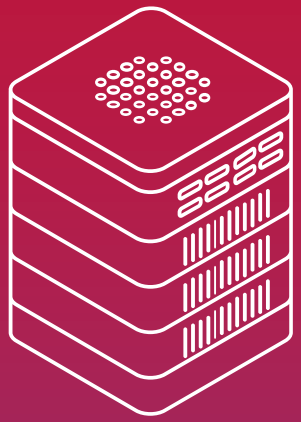

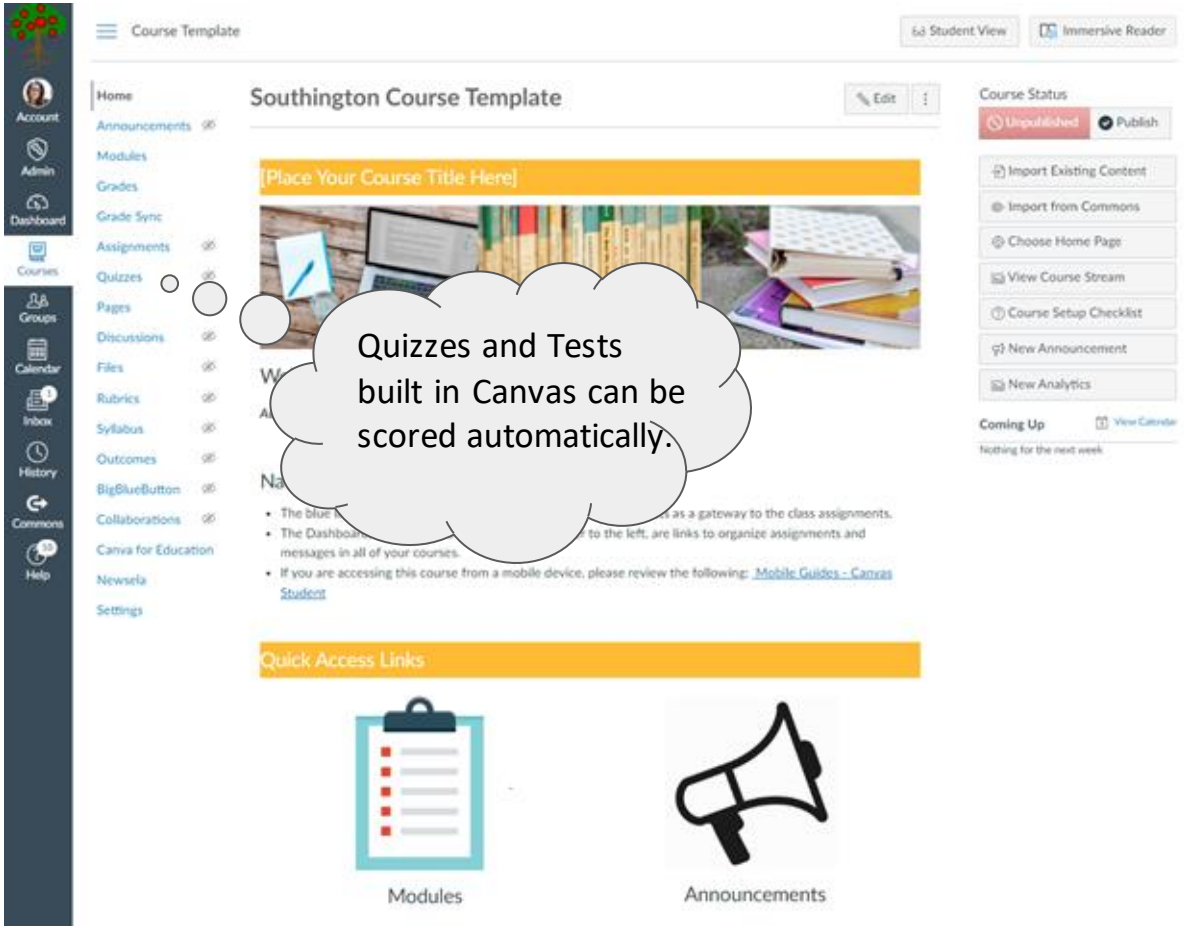

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Programs & Online Tools

Instructional Tools, non-curricular specific

- EdPuzzle - formative assessment for videos
  - $13,520/6,076 students
- PebbleGo - Elementary leveled research database
  - $9,476/2,647 students
- BrainPop - Elementary curated and leveled article database
  - $20,807/2,647 students
- WeVideo - Video production online tool, replaces iMovie
  - $2,000/200 rotating licenses as needed
- Library Services & Database
  - $13,942/6,076 students

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Thank you!

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EdPuzzle

EdPuzzle Teacher Version

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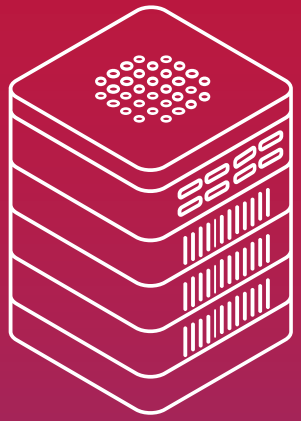
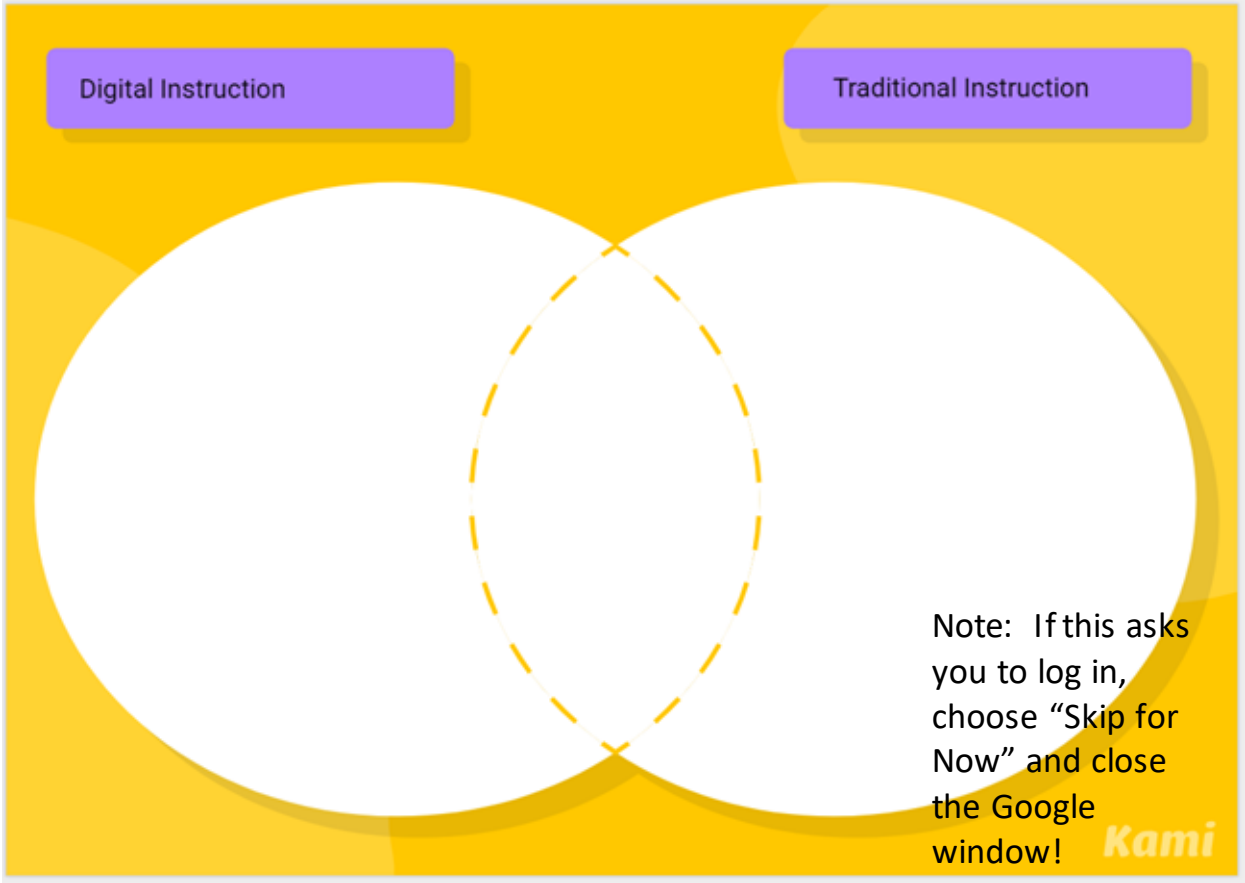
Kami





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