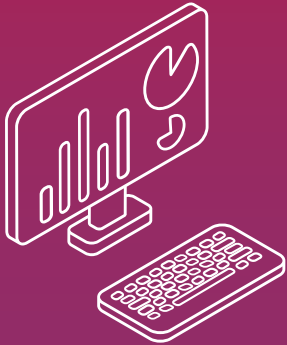




Technology Department

Southington Public Schools



Technology Department

Steve Madancy, Superintendent

Tri-Tech Leadership Team

Jessica Poon, Information Systems Manager

Tyler Savage, Network Manager

Rebecca Savelkoul, Digital Learning Coordinator



A BIG thank you to the staff!

Rit Campbell

Connor Barrows

Gayle Rossi

James Feldhouse

Manny Chavez

Taneta McCaw

Jorge Roviroso

Aaron Hairston

Tammy Sycz

Nancy Nardi

Chris Carvalho (Temporary)

Lura Terrace

(OPEN)



Information Systems





1. Students

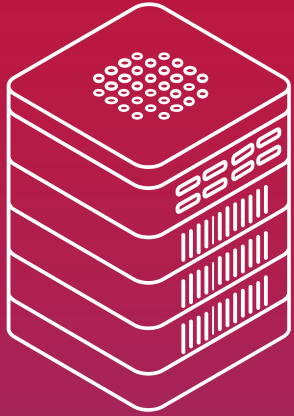
2. Staff

**3. Inventory/Help
Desk**



Do you know?

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



Students, enter a number!

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



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



Student Systems

- PowerSchool
 - PSIS
 - TCS
 - ED166
 - District Score Card
- Enrollment
- Teacher
- Grade
- Seal of Biliteracy



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



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.



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



Student Systems

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



Student Systems

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

A screenshot of the Southington Public Schools New Student Registration 2022-2023 website. The page has a light blue header with the school district logo and name. Below the header is a navigation menu with links for 'Introduction', 'Form', 'Form Verification', and 'Summary'. The main content area is titled 'Introduction' and contains the text 'Online New Student Registration 2022-2023'. It welcomes users to the registration process and lists the required documents: 1. Before you begin, please have the following required documents on your computer prior to beginning the registration process. You will be prompted during the registration form to upload these documents to complete the Registration process. 1. Copy of full-size birth certificate. 2. Copy of one of the following: current mortgage statement; current lease/rental agreement issued to the parent/guardian; current year property tax statement; or title page of the current homeowner's insurance. If the parent/guardian's name is not on the mortgage statement or lease/rental agreement, please contact the District.

Student Systems

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



Student Systems

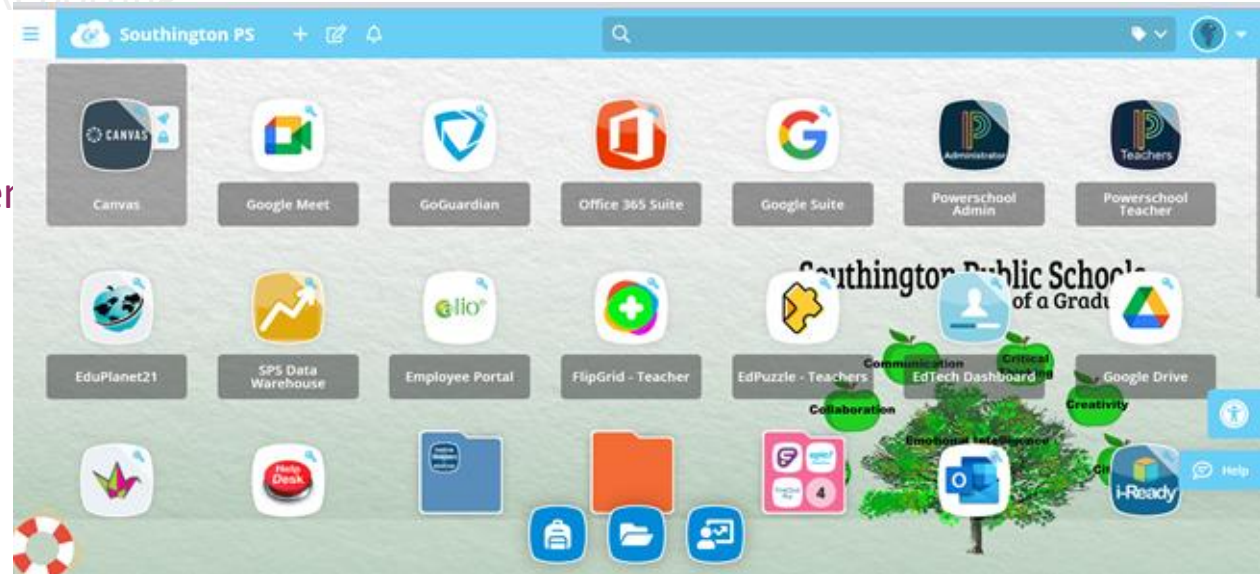
- PowerSchool
- CT State Report Reporting
- CRDC
- Family and Student Engagement



Student Systems



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



Why are efficiencies important?

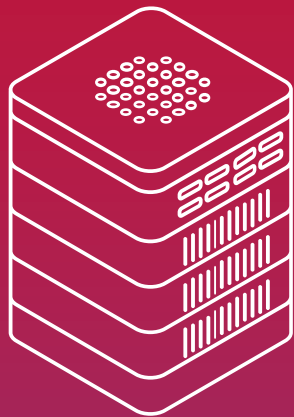
Drop Ideas for the Group!
Add a textbox or comment to share why EFFICIENCIES are important.



Activity created by Steve Martinez

Kami

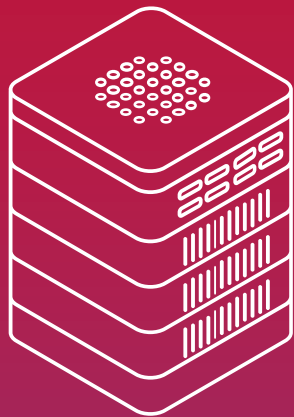
Note: If this asks you to log in, choose “Skip for Now” and close the Google window!



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





Staff Systems



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



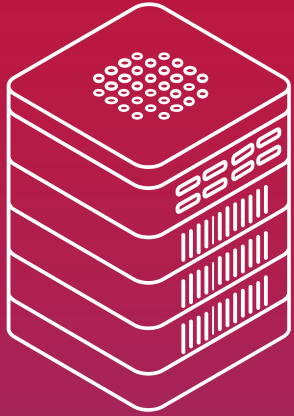
Efficiency Improvements for our Staff

- 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



Do you know?

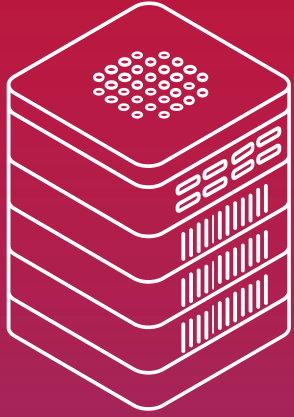
How many technology “assets” (devices, monitors, boards, adapters, printers, etc.) do we monitor in the district?



Students, enter a number!

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



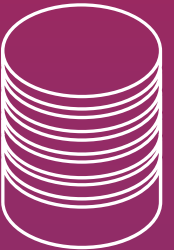
Network and Infrastructure





1. Progress & Goals

2. Five-Year Plan



Progress Infrastructure

Issue Identified	Improvement to Date	Future Steps
Network Stability Issues <ul style="list-style-type: none">• Number of Devices on Network	Strengthened the Network <ul style="list-style-type: none">• WiFi Access Points, Main Access Switch	Strengthen the network backbone <ul style="list-style-type: none">• Switches, Fiber
Network Security	Security <ul style="list-style-type: none">• Two Factor Authentication, Secure Print, Firewall• Anti Virus, Ransomware Protection	Security <ul style="list-style-type: none">• Expand Ransomware Protection, Advanced Monitoring

Progress Infrastructure

Issue Identified	Improvement to Date	Future Steps
<p>Aging Equipment</p> <ul style="list-style-type: none">• WiFi Access Points,, Projectors, SMART Boards, Servers, Switches• Aging Laptops, Harvesting Parts• Municipal Center Audio/Video equipment	<p>Critical Servers Move to Cloud</p> <ul style="list-style-type: none">• PowerSchool, Backups <p>Apply for grants</p> <ul style="list-style-type: none">• ECF - \$834,000• Pegpetia Grant <p>5-year replacement plan</p>	<p>Asset Replacement Plan in Operating Budget & Apple Lease</p> <p>Continue Applying for Grants</p> <ul style="list-style-type: none">• ECF - Next Round• Erate• Additional Grants <p>Cloud-based</p>

Progress Infrastructure

Issue Identified	Improvement to Date	Future Steps
<p>Configurations</p> <ul style="list-style-type: none">• Cloud Funds• School-based mindset• Silos of knowledge	<p>Get the most out of what we have</p> <ul style="list-style-type: none">• Monitoring tools• Maximize Configurations• Automated Device Management (Meraki)	<p>Identify additional efficiencies</p> <ul style="list-style-type: none">• Continue Maximizing Meraki• Software• Devices

Progress Department

Issue Identified	Improvement to Date	Future Steps
<p>High Turnover Rate</p> <ul style="list-style-type: none">● Re-Training● Need for documentation <p>School-based mindset</p> <p>Increase in overall number of assets, no increase in staffing numbers</p> <p>Repairs - Time Consuming</p>	<p>Increase Hourly Pay</p> <p>Staffing</p> <ul style="list-style-type: none">● Reassigned staff to provide cross-training● District perspective● Increase emphasis on documentation	<p>Staffing</p> <ul style="list-style-type: none">● Request additional Tech Assistant● Request additional Instructional Technology Specialist

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	<ul style="list-style-type: none"> • Operating Budget • Apple Lease • E-Rate • Grants
Chromebooks	3	3	5	
WiFi Access Points		4	6	
Switches		4	6	
Servers		4	6	
Projectors/ Interactive Displays	11	8	10	
Battery Backups	10	6	8	



Instructional Technology



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.

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.



Careful what you wish for..

So, now what?





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?



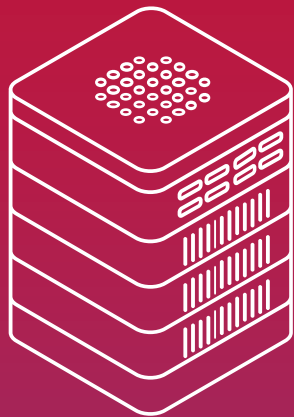


Instructional Technology Committee

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





Padlet Response

Brainstorming Instructional Technology

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

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

Programs & Online Tools

Science

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

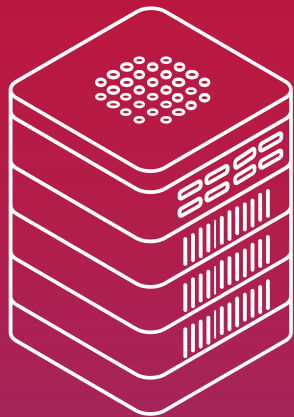
Social Studies

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

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



**Which of the following
was the benchmark tool
for math?**

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

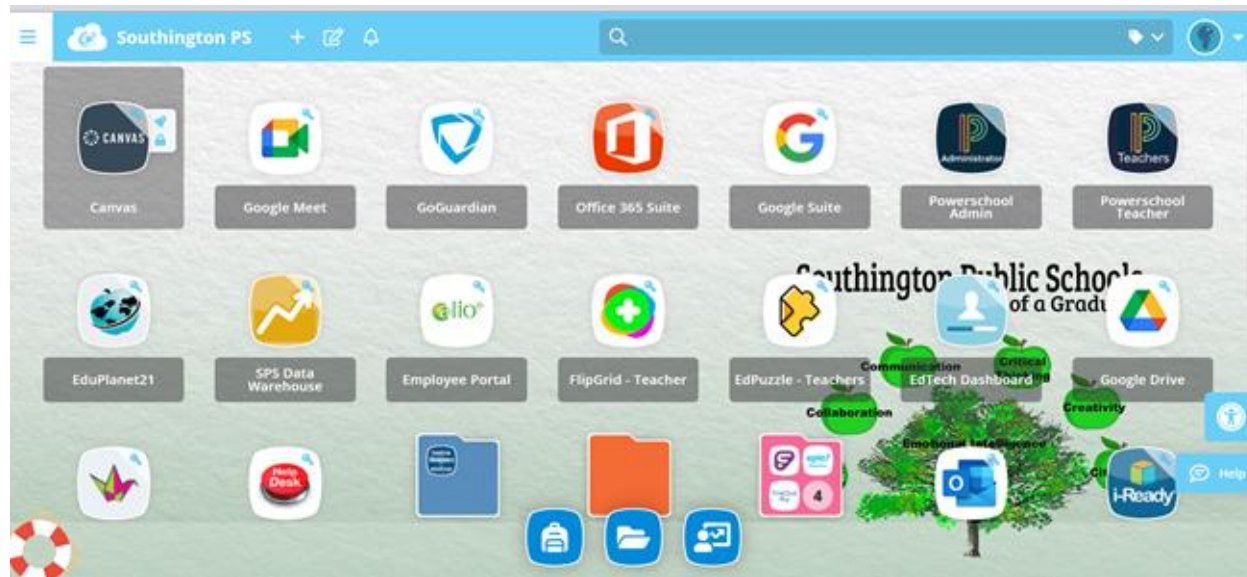
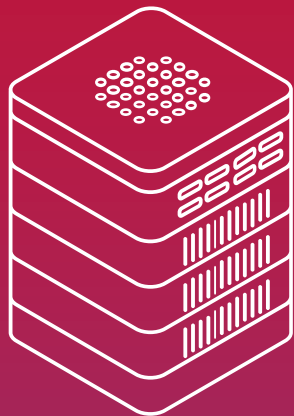


Programs & Online Tools

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

ClassLink

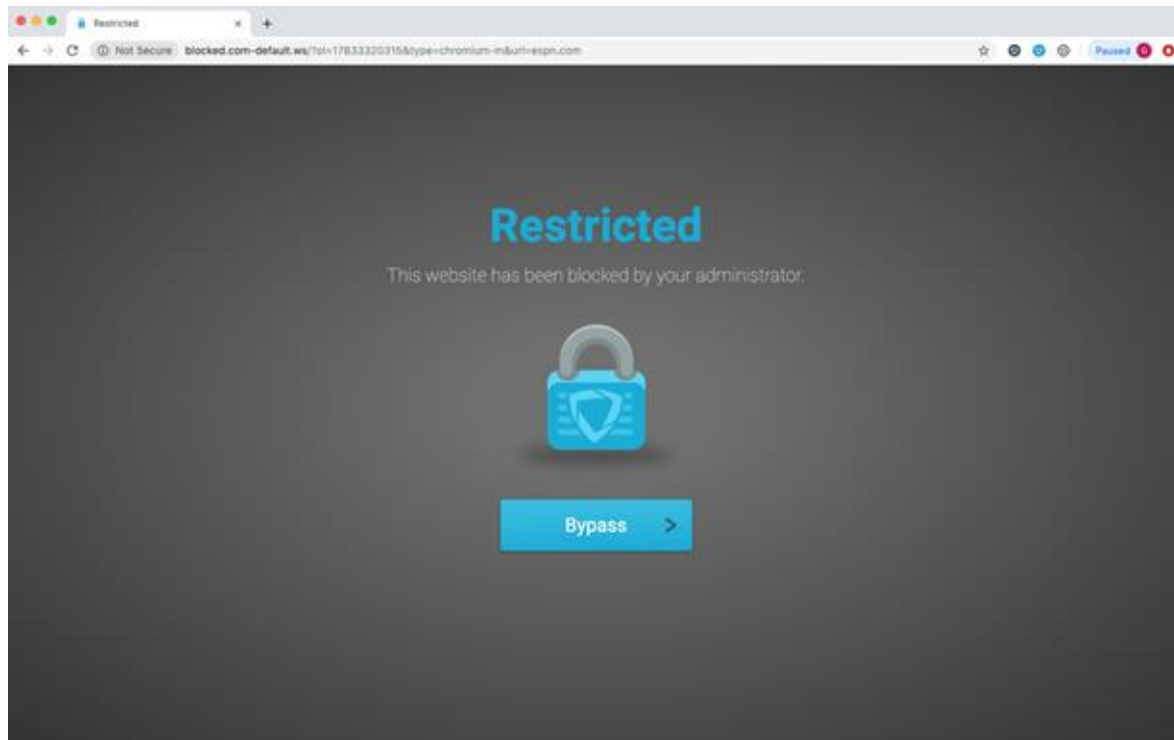
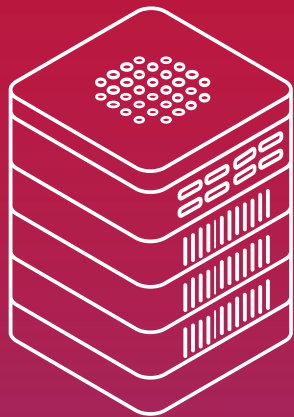


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GoGuardian

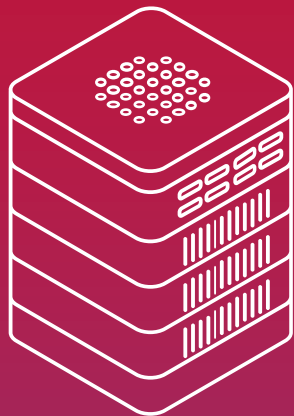






Programs & Online Tools

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Gaggle



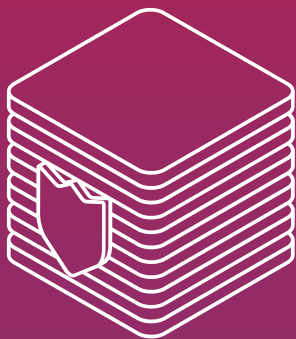
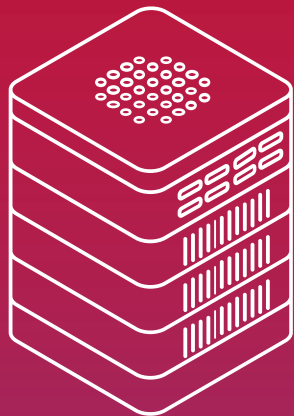
QUESTIONABLE CONTENT	
	User Name: [REDACTED] User Email: [REDACTED] File Owner: [REDACTED] School/Group: Southington High 11th Grade
	Source: Google Drive Content Type: vnd.openxmlformats-officedocument.wordprocessingml.document Threat Type: suicide Keywords: kill me File Name: English CCP Quote Reflection.docx File Id: 1-Zo0HI5mLaZJ23IfkYYX6dkreLFNVIIxmBI8i9j7i4A 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

Programs & Online Tools

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ParentSquare



OVERALL SNAPSHOT

6,387

STUDENTS →

1,411

STAFF & TEACHERS →

8,501

PARENTS →

99%

CONTACTABLE



6,387 STUDENTS' FAMILIES →

■ CONTACTABLE 6,324 →

At least one student contact is contactable

■ NON-CONTACTABLE 63 →

No student contact is contactable

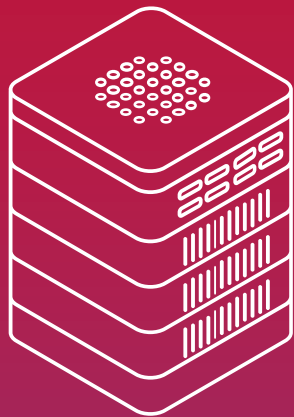
■ NO CONTACT INFO 0 →

There are no student contacts listed

LANGUAGES

English

Other



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!

Programs & Online Tools

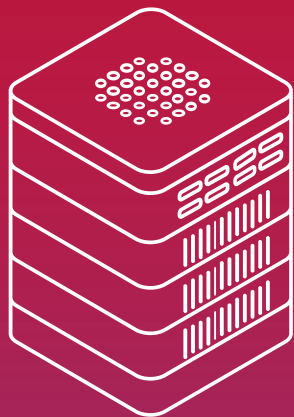
Instruction Management Tools (con't)

- 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

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



Canvas

Course Template

68 Student View Immersive Reader

Southington Course Template

[Place Your Course Title Here]

Welcome to class!

Add a short teacher welcome message in this spot.

Navigation Tips

- The blue links on the left side include a "Modules" button. This acts as a gateway to the class assignments.
- The Dashboard, Calendar, and Inbox pictures, further to the left, are links to organize assignments and messages in all of your courses.
- If you are accessing this course from a mobile device, please review the following: [Mobile Guides - Canvas Student](#)

Quick Links

Centralized management that integrates with PowerSchool

Announcements

Course Status

Unpublished Publish

Import Existing Content

Import from Commons

Choose Home Page

View Course Stream

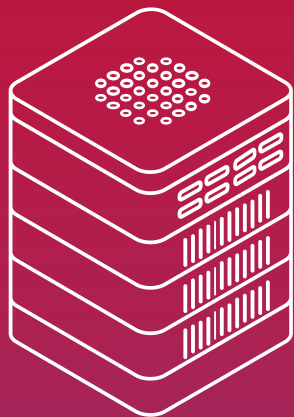
Course Setup Checklist

New Announcement

New Analytics

Coming Up View Calendar

Nothing for the next week



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

Course Template

Home

Announcements 95

Modules

Grades

Grade Sync

Assignments 95

Quizzes 95

Pages 95

Discussions 95

Files 95

Rubrics 95

Syllabus 95

Outcomes 95

BigBlueButton 95

Collaborations 95

Canvas for Education

Newsletters

Settings

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Quick Access Links

Modules

Announcements

Publish

Import Existing Content

Import from Commons

Choose Home Page

View Course Stream

Course Setup Checklist

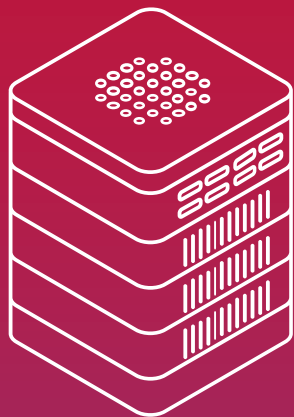
New Announcement

New Analytics

Coming Up

View Calendar

Nothing for the next week




Course Template

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Quick Access Links



Modules



Announcements

Course Status

Unpublished Publish

Import Existing Content

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Choose Home Page

View Course Stream

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Coming Up View Calendar

Nothing for the next week

Account

Admin

Dashboard

Courses

Groups

Calendar

Inbox

History

Commons

Help

Home

Announcements

Modules

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Quizzes

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BigBlueButton

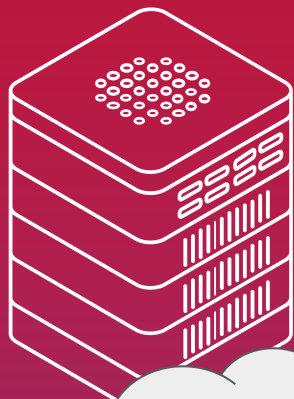
Collaborations

Canvas for Education

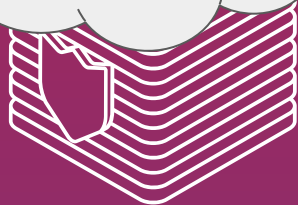
Newsfeed

Settings

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



Internal email to
communicate with
classmates and
teachers




Course Template

68 Student View Immersive Reader

Southington Course Template

[Place Your Course Title Here]




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Quick Access Links



Modules



Announcements

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Announcements 95

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Files 95

Rubrics 95

Syllabus 95

Outcomes 95

BigBlueButton 95

Collaborations 95

Canvas for Education

Newsela

Settings

Account

Admin

Dashboard

Courses

Groups

Calendar

Inbox

History

Commons

Help

Custom Calendar for
tracking assignments
and due dates

The screenshot displays the 'Southington Course Template' in a Canvas LMS environment. On the left is a dark sidebar with navigation icons for Account, Admin, Dashboard, Courses, Groups, Calendar (highlighted with a red circle), Inbox, History, Commons, and Help. The main content area has a header 'Course Template' and a 'Student View' button. Below the header, the title 'Southington Course Template' is shown with an 'Edit' button. A large yellow banner contains the placeholder text '[Place Your Course Title Here]'. Below this is a welcome message section with a placeholder image of a laptop and books, followed by the text 'Welcome to class!' and a prompt to 'Add a short teacher welcome message in this spot.' A 'Navigation Tips' section lists instructions for using the sidebar links. A 'Quick Access Links' section at the bottom features icons for 'Modules' (a clipboard) and 'Announcements' (a megaphone). On the right side, a 'Course Status' section shows 'Unpublished' and 'Publish' buttons, along with options to import content, choose a home page, view the course stream, and access analytics. A 'Coming Up' section at the bottom right indicates 'Nothing for the next week'.

Course Template

68 Student View Immersive Reader

Home

Announcements 95

Modules

Grades

Grade Sync

Assignments 95

Quizzes 95

Pages 95

Discussions 95

Files 95

Rubrics 95

Syllabus 95

Outcomes 95

BigBlueButton 95

Collaborations 95

Canvas for Education

Newsela

Settings

[Place Your Course Title Here]

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Announcements

Course Status

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View Course Stream

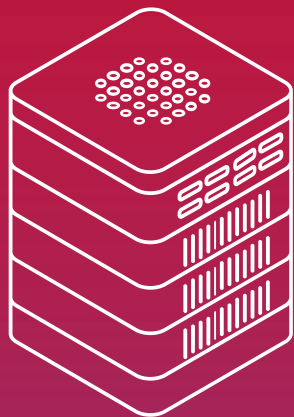
Course Setup Checklist

New Announcement

New Analytics

Coming Up View Calendar

Nothing for the next week



Course Template

68 Student View Immersive Reader

Southington Course Template

[Place Your Course Title Here]

Quizzes and Tests built in Canvas can be scored automatically.

W
A
Na

- The blue icon to the left is a gateway to the class assignments.
- The Dashboard icon to the left, are links to organize assignments and messages in all of your courses.
- If you are accessing this course from a mobile device, please review the following: [Mobile Guides - Canvas Student](#)

Quick Access Links

Modules

Announcements

Course Status

Unpublished Publish

Import Existing Content

Import from Commons

Choose Home Page

View Course Stream

Course Setup Checklist

New Announcement

New Analytics

Coming Up View Calendar

Nothing for the next week

Account

Admin

Dashboard

Courses

Groups

Calendar

Inbox

History

Commons

Help

Home

Announcements 96

Modules

Grades

Grade Sync

Assignments 96

Quizzes 96

Pages

Discussions 96

Files 96

Rubrics 96

Syllabus 96

Outcomes 96

BigBlueButton 96

Collaborations 96

Canvas for Education

Newsela

Settings

Programs & Online Tools

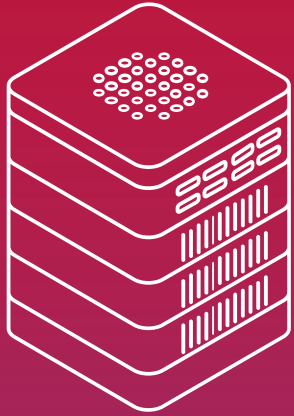
Instructional Tools, non-curricular specific

- 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

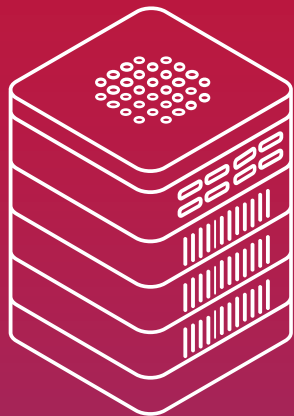


Thank you!





Kami

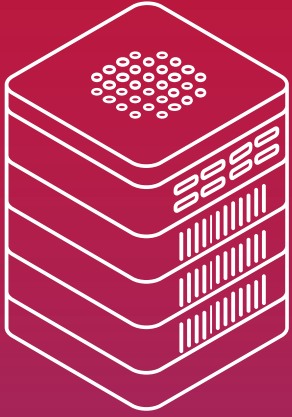


Digital Instruction

Traditional Instruction

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

WeVideo



[WeVideo Link](#)