



Best Practices in Managing Technology for Greater Effectiveness



Introductions



Rosalie Morillo
Program Manager
Sustainable Jersey





Sustainable Jersey for Schools



A free, voluntary program that provides tools, training, and grants to New Jersey public schools to help them implement sustainability initiatives and achieve certification.



- Identifies **actions** to become more sustainable
- Provides **tools, resources, and guidance** to make progress
- Provides access to **grants** for schools and school districts
- Recognizes **accomplishments**
- Awards certification to individual schools but requires School Board and district level support

Statistics

2014
Program
Started

67% Districts
Participating

1,135
Schools
Registered



293
Certified



44
Certified



47 Digital
Schools
Stars

8,859
Actions
Implemented





Digital Schools Program



The Digital Schools Program was created In June 2020 to integrate new content into Sustainable Jersey for Schools that strengthens support for schools in meeting the challenges of digital learning and to help bring about a sustainable future for us all.

Digital Schools was formed as a partnership with the New Jersey Department of Education and the New Jersey School Boards Association and endorsed by [New Jersey Leadership for Educational Excellence](#).





Digital Schools Program



- Partnership of NJSBA / NJDOE / Sustainable Jersey
- Supported by the New Jersey LEE Group
- Continuing work of Future Ready Schools - NJ
- Officially launched December 15, 2021
- 48 Future Ready Indicators integrated into 13 Digital School actions



Digital School Star Recognition



Pursuing Digital Schools Star recognition encourages school personnel at all levels and in all departments to work together to improve:

- Planning
- Decision making
- Curriculum Development
- Pedagogy
- Budgeting
- technology resources to help students become better prepared for the future





Digital School Star Actions



Digital Learning Leadership

- Community Engagement.
- District Commitment to Digital Learning.
- District Professional Development Plan.
- Equitable Access to Digital Learning.

Digital Technology Access

- Data Safety and Security Privacy.
- Digital Life Cycle Management.
- Infrastructure.
- Support for Digital Teaching and Learning.



Digital School Star Actions



Digital Learning Practices

- Digital Innovative Classroom (new).
- Authentic Application of Digital Learning tools and content.
- Digital Citizenship.
- Personalized Learning and Growing Independent Learners.
- Professional Growth and Collaboration.



Updated Digital School Star Requirements



- Successfully complete a minimum of 8 of the 13 actions found in the 3 Digital Schools action categories. Some of these actions are District Only and would be completed in the District application.
- The 8 actions must include at least one from each category.
- 4 of the actions need to be Foundational Actions.
- At least one of the actions must be the Digital Innovative Classroom at the 15-point level.

CONNECT WITH & CONTACT US



<https://www.howell.k12.nj.us>



@HowellTwpK8



@howell.township.k8



@howelltwpk8

Joseph Isola - Superintendent

jisola@howell.k12.nj.us

Ron Sanasac - Assistant Superintendent Business Administrator/Board Secretary

rsanasac@howell.k12.nj.us

Claire Engle - Director Digital Learning & Innovation

cengle@howell.k12.nj.us

Erin Cutillo

ecutillo@howell.k12.nj.us

Jennifer Stenard

jstenard@howell.k12.nj.us

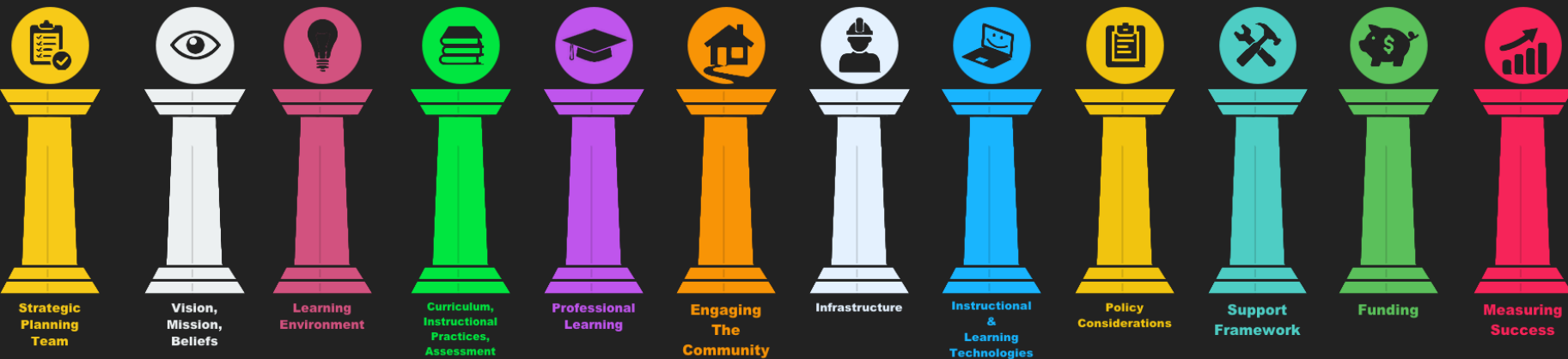
12 SCHOOLS : 1 COMMUNITY



- Pre-K-8 District
- 5,500 Students
- Grade Bands: Pre-K-2 3-5 6-8
- Preschool Expansion & Reorganization
- All Schools Silver Certified
- All Schools Digital Schools Star

A VISION OF SCHOOLS REIMAGINED

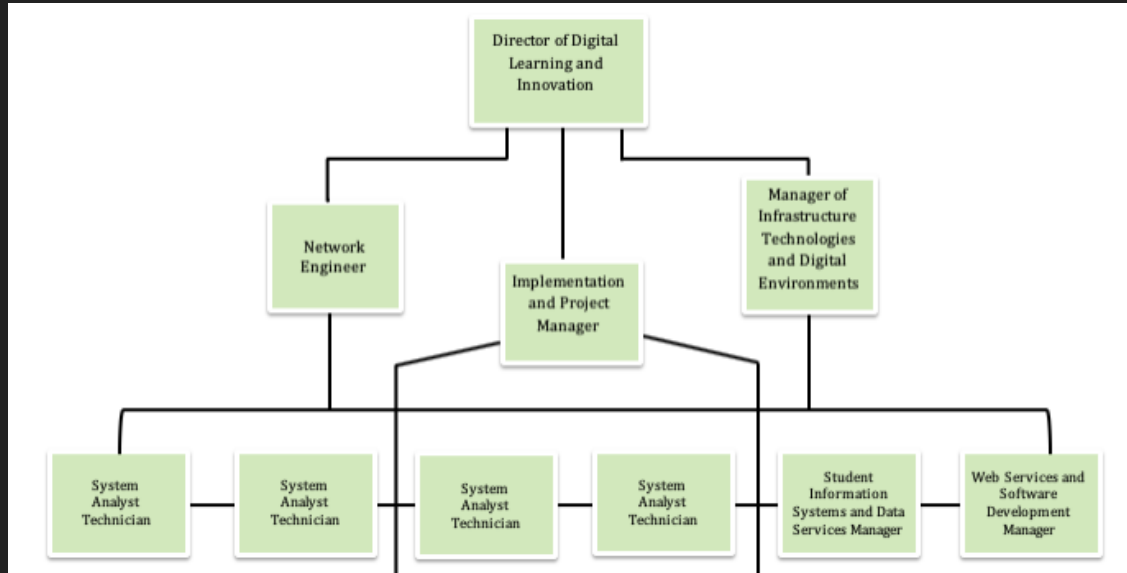
DISTRICT COMMITMENT TO DIGITAL LEARNING & SUSTAINABLE PRACTICES



Board Commitment to Digital Learning & Sustainable Environments



REIMAGINED ROLES - IT RESTRUCTURING



- Reimagine the Role of IT Director
- Restructured roles and responsibilities
- Focus on District Goals, Learning and Operational Efficiencies

ALIGNING TECHNOLOGY WITH EDUCATIONAL GOALS

REDEFINITION

Technology allows for the creation of new tasks, previously inconceivable

MODIFICATION

Technology allows for significant task redesign

AUGMENTATION

Technology acts as a direct substitute, with functional improvement

SUBSTITUTION

Technology acts as a direct substitute, with no functional change

TRANSFORMATION

ENHANCEMENT

USING CREATIVITY TO CAPTURE OUR STUDENTS' VOICES

[Back](#)

Everyone Can Create Overview

Drawing
Make a Motion Graphic



Music
Record a Podcast



Photo
Create Pop Art



Video
Create Green-Screen Effects



Ice Cream On The Go



INNOVATION AMPLIFIED: Community Partnerships Transforming Learning

*Jennifer Stenard and Erin Cutillo
Media and Technology Teachers
Howell Memorial School*

In Howell, we are fortunate to have access to state of the art technology. To push the boundaries of this technology at Memorial School, we have used community partnerships to gain monies to create new and exciting programs.





Educational Grants from Community Partners



SUSTAINABLE NEW JERSEY

Wellness Way

Collection of spaces to promote the social, emotional, and physical wellness of students and staff



Diversity Book Grant

A collection of books designed to immerse students in mirrors into their own cultures as well as windows into the lives of others.



*HOWELL TOWNSHIP
EDUCATION
FOUNDATION*

Enhancing learning with individual grants for teachers.



*OCEAN FIRST
FOUNDATION*

Awarded grants to create a universally designed, inclusive STEM room as well as an outdoor classroom.



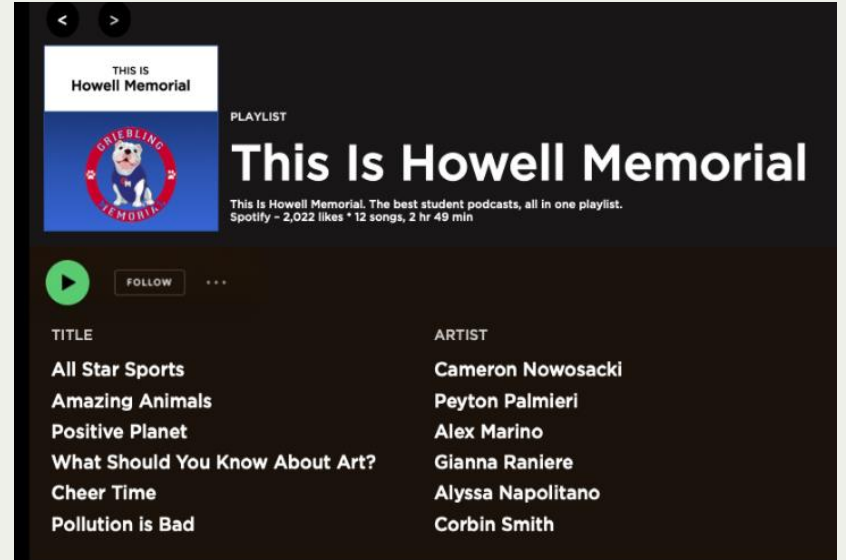
*NJSBA'S
STEAM TANK*

Funding received for placing in the finals of the competition.



First Attempt at Podcasting

- Students found and researched their “passions”
- Recorded single episodes on their iPads with GarageBand
- Used Powerpoint and Google to “publish” student episodes



Podcast Evolution: Learning, Redesigned

Made possible by
funding from
partners, providing
invaluable life lessons
focused on twenty
first century skills



How to Create a School Podcast

STEP 1

Podcasting is explained, choices are made about format and style.

STEP 2

Students apply for jobs based on their skills and interests..

STEP 3

Create the podcast studio space, decide on and purchase equipment.

STEP 4

Record episodes with students who have been researching their passions independently.

STEP 5

Edit and publish episodes. Share with the school & greater community.

Podcast Roles



Host

Outreach
Manager



Sound Editor

Designer



Writer

Producer



Using Available Community Resources

With some creative
and resourceful
thinking, we were
able to enhance the
podcast experience
for our students.



New Listeners Welcome!



Scan to follow
**A Bulldog's
Passion** on
Apple Podcasts



Partnerships to Support Digital Environment

Grants Awarded

\$124,000

Howell Township K-8
@HowellTwpK8

Congratulations to the @HowellTwpTauntn Green Team for receiving a @SJ_Schools & @NJEA \$10,000 Grant!
#HTPSSustainable #HTPSTalentTeams
#HTPSLearnerSuccess #HTPSWellness
#HTPSCommunityEngagement #HowellLeads

Check out the submission video:
<drive.google.com/file/d/1Bbhn-...>



MaryRose Malley
@MalleyMaryrose

Attended @HowellMemorial for ribbon cutting on Bulldog Retreat, their Model Outdoor Classroom. An amazing space. #SustainableNJ #htpslearnersuccess #HTPSCommunityEngagement



Howell Township K-8 @HowellTwpK8 · May 3

Celebrating the opening of the @HowellTwpMSN Limitless Café, made possible by a \$10K grant from @SJ_Schools and @NJEA. We are so excited for the transformation of this space & opportunities it will provide for our students! #HowellLeads #HTPSSustainable #HTPSCommunityEngagement



Strategies for Maintaining and Maximizing Devices

DEVICE PROTECTION PLAN OPTIONS



In accordance with Policy 5513: Care of School Property, students are responsible for the proper care of school property and the school supplies and equipment entrusted to his/her use. The Howell Township Public Schools recognizes that there is a need to protect the investment by both the District and the Student/Parent. **The following outlines the various protection options. A plan must be selected before issuing a device.**

DISTRICT PROTECTION PLAN

A District Protection Plan will be available for students and parents to cover damages, accidental damage, and device replacement in the event of theft or loss. Lost or vandalized accessories (e.g. charger, case/keyboard, digital crayon) are not covered. Additional replacements* will cost the student/parent the full value of a configured device. *Second or additional hardship replacements eligible for protection at the discretion of the superintendent. District Protection Plan pricing is \$55 for the iPad Protection Plan. The protection cost is an annual fee for each device. The system ([MySchoolBucks](#)) is used to process Protection Plans and authorizations.

NOTE: Fee may be waived or reduced at the discretion of the superintendent for extreme hardship on a case by case basis. Parents must have superintendent's prior approval for hardship. Consideration will be made for family coverage of devices when there are three or more children in school using devices. Contact the Office of Digital Learning and Innovation with any questions.

PERSONAL INSURANCE

Parents may wish to carry their own personal insurance to protect the device. Please consult with your insurance agent for details about your personal coverage of the device and accessories. Parents will need to show proof of insurance at the time of pick up before the student(s) is/are allowed to check out the device.

PERSONAL LIABILITY

Parents who select no plan will be held financially responsible for loss, theft, or all damages. Typical ranges for the repair and replacement costs are provided for your consideration.

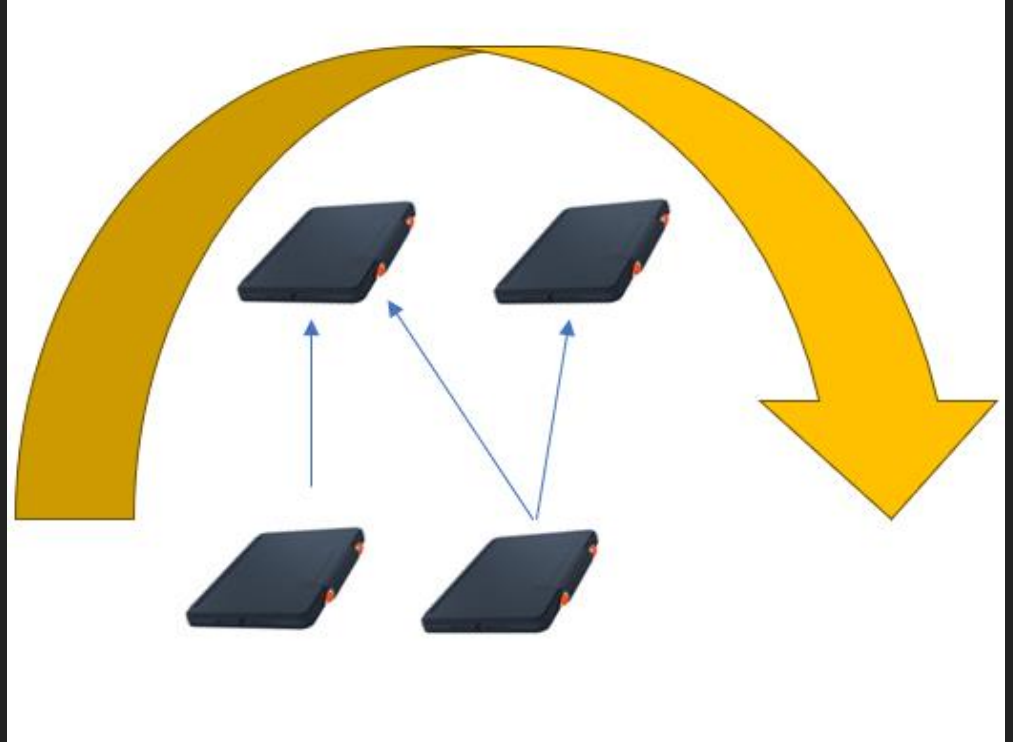
Liquid Spill: \$295 - \$475
Cracked Screen: \$200 - \$295
Cracked Casing: \$250 - \$295

Keyboard/Case: \$100

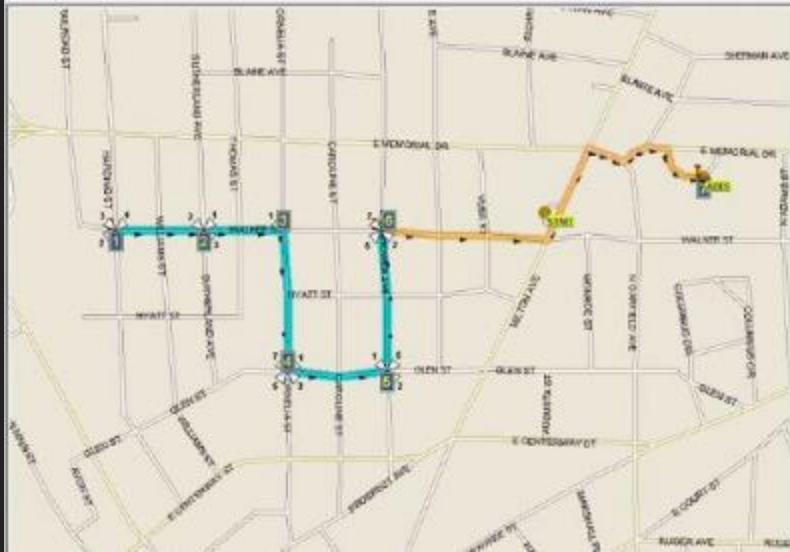
ADDITIONAL INFORMATION: In cases of theft, vandalism and other criminal acts, a police report, or in the case of fire, a fire report MUST be filed by the parent or guardian for the protection coverage to take place. A copy of the police/fire report must be provided to the school.

INTENTIONAL OR REPETITIVE DAMAGE OR ABUSE: Parents/guardians are responsible for full payment of intentional damages/abuse to devices. Warranty, accidental damage protection, or the District Protection Plan DOES NOT cover intentional damage/abuse of the device or the accessories.

Strategies for Maintaining and Maximizing Devices



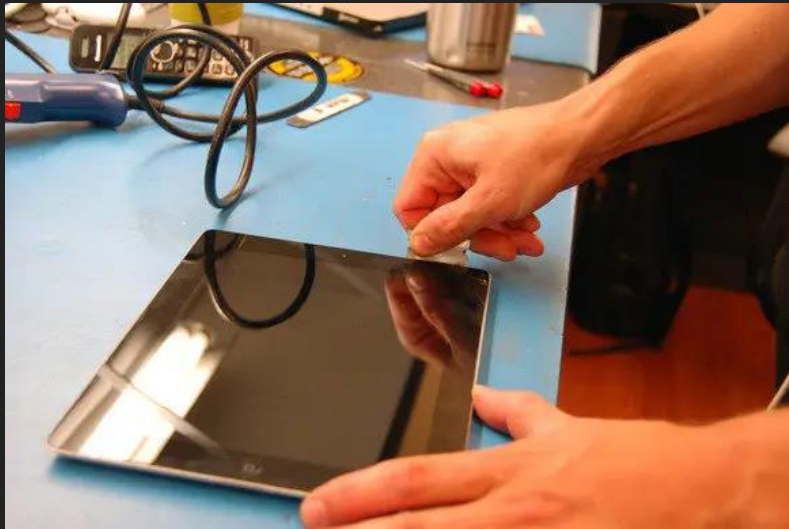
DISTRICT COMMITMENT TO SUSTAINABILITY AND EFFICIENCIES



Sustainable Efforts



Cultivating Sustainable Community Partnerships



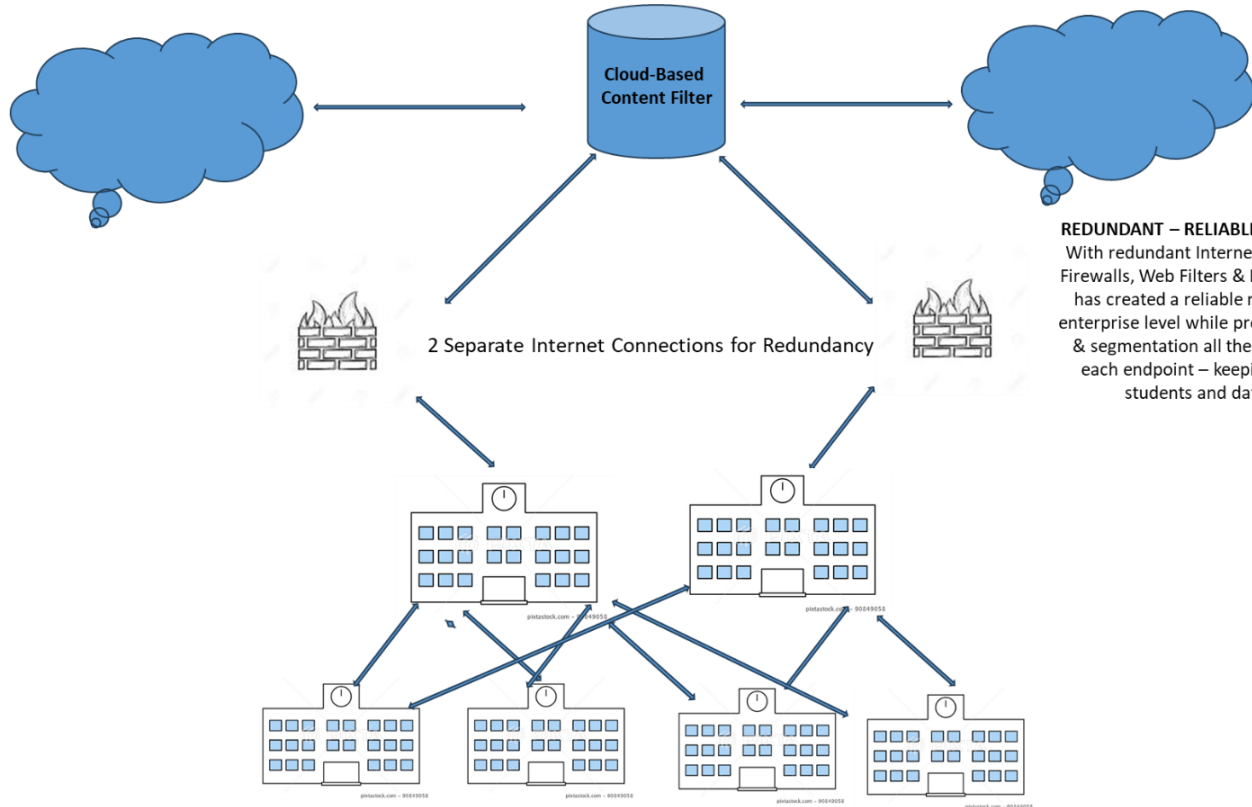


Digital Safety and Security



SECURITY	SAFETY
<p>Secure networks, devices, technologies similar to how we would protect the physical elements of our schools.</p>	<p>Act in ways to help protect our users from digital risks.</p>

Setting The Perimeter



REDUNDANT – RELIABLE – PROTECTED
With redundant Internet Connections, Firewalls, Web Filters & Fibers – Howell has created a reliable network at an enterprise level while providing security & segmentation all the way down to each endpoint – keeping our staff, students and data safe.



Procedures



- Established Standard Operating Procedures (SOP) based on Best Practices
 - SOP Student/Staff Device Use/Authorizations
 - SOP Technology Systems
 - SOP Information Management
 - SOP Financial & Human Resource Management
- Established Disaster Recovery Actions
- Review of 3rd Party Privacy Policies





Knowledge and Awareness



- New Jersey Cybersecurity and Communications Integration Cell ([NJCCIC](#)) Membership
- US Department of Education - [Protecting Student Privacy](#)



NJCCIC
New Jersey Cybersecurity & Communications Integration Cell

NJCCIC Advisory

Ransomware Group "54bb47h Team" Infecting K-12 Schools

TLP: GREEN

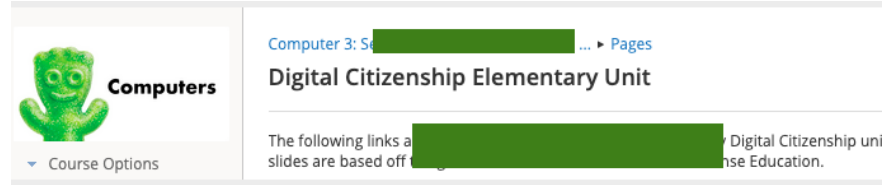
October 6, 2021

NJCCIC K-12 and Public Sector Members,

This Multi-State Information Sharing and Analysis Center's (MS-ISAC) Short Form Analytic Report (SFAR) is being provided in order to assist cybersecurity professionals and system



STUDENTS



MISSION FIVE!

Oh no! Another mission!



To access this key, solve the following mission. Using the piece of paper and pencil in the box, write down one fact per lesson we had about **Digital Citizenship**. You should have a total of **5 facts**. Present this to your teacher to gain the key to reveal your prize!



DIGITAL CITIZENSHIP




We have reached the end of the unit and I am very proud to present the digital citizenship badge. To receive the badge, you must solve the series of locks. After you complete the final challenge, you will find badges inside that you can keep. You will have 30 minutes to complete the challenge. **Goodluck.**




PARENTS/GUARDIANS



Staff	Parents	Students	Our District
			
	Parent Portal		MySchoolBucks
	Backpack		Registration
	Student and Parent Handbook		Student Accident Insurance
	PTA/PTO/SEPAC Contacts		Howell Police Athletic League
	Food Services		Anti-Bullying
	Assessment		NJ Parent Link
	Howell Township Educational Foundation		"Register Ready" Special Registry for Disasters
	Daily Health Screening		Parent Compact
	Digital Citizenship Resources		Back To School Portal

MEDIA BALANCE & WELL-BEING

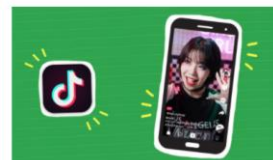


- ✓ Core question: **How can I make screen time meaningful?**
- ✓ Check out the links below for Media Balance success

[Screen Time: How Much is Too Much?](#) [Check Your Screen Time- iOS Devices](#)
[How To Set Screen Time For Your Children- iOS Devices](#)

Parents' Ultimate Guides

Struggling to keep up with the media and tech your kids are using? Common Sense's Parents' Ultimate Guides can help keep you up to date and answer your questions about all the latest titles and trends. Whether you're trying to figure out if a new app is safe for your teen or if a popular game includes blood and gore, we've got you covered. And if you can't find what you're looking for, let us know!



Parents' Ultimate Guide to TikTok

Is TikTok safe? How does it work? And can I do a duet with my kid? Here's everything you need to know about this popular musical singing and sharing app.



STAFF



Information Technology

Search

Browser Security Basics

CIPA : Compliance With The Children's Internet Protection Act

Copyright Infringement

Cyberbullying

Cybersecurity Overview

Email and Messaging Safety

Online Safety : Predators

Online Safety : Threats Of Violence

Online Safety : What Every Educator Needs To Know

Password Security Basics

Payment Card Industry Data Security Standard (PCI DSS) Overview

Protection Against Malware



INFORMATION TECHNOLOGY

Online Safety : What Every Educator Needs to Know

The goal of this course is to offer educators "inside knowledge" about how your students really use communication technologies and how to help them avoid online dangers. Topics covered include online trends and tools, social behavior online, online dangers, and smart tips for school staff members.

To continue, please select a course version

Full Course

This version is designed for school staff in the U.S.

19 Minutes

➔



STAFF



SPAM - DO NOT RESPOND to strange email posing as "Joe Isola"

EC Engle, C [redacted]
To: * Distr [redacted]

Friday, March 19, 2021 at 3:21 PM

This message is high priority.

If you received an email from what seems to be coming from "Joe Isola" from a gmail account, and it states in the body of the email something of the sorts, "Are you available?" – **DO NOT REPLY TO THIS EMAIL AT ALL. You are to follow our protocols for spam messages and Delete it** or mark it as spam/block sender.

Are you available?

On Fri, 19 Mar 2021 at 17:57, Joseph Isola <josephisola9@gmail> wrote:

Are you available?

High Importance! SPAM Alert - now it involves phone calls coupled with a follow up email

EC Engle [redacted]
To: * C [redacted]

Wednesday, M

This message is high priority.

There is a new scam going around. **BE ON HIGH ALERT** for the following scam.

Today, our IT Department received a transferred phone call that had a caller ID from SpiceWorld. Then a few minutes later we got an email from vendor. The email message indicated that they received an email from us that is attempting to spoof our domain. Blah, blah, blah... the caller he did some research for us (thanks so much – what a gem!) and if we open the attached document, we will be able to see the "origin" of the we want to investigate it.

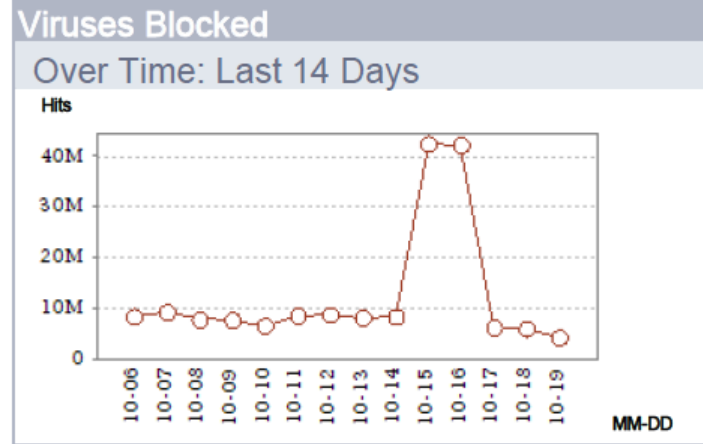
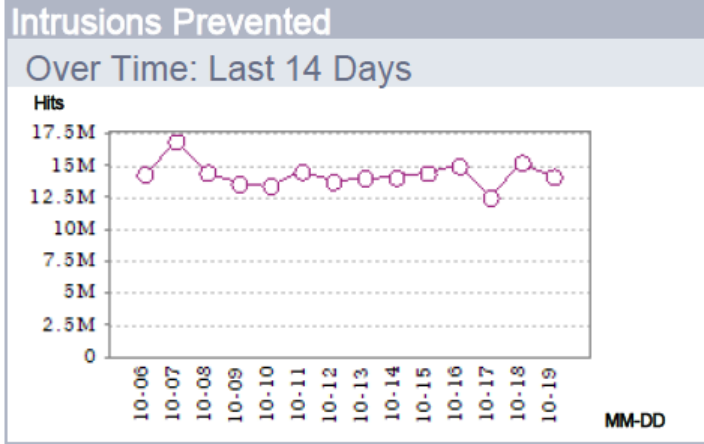
We feel this is a pretty sophisticated scam, since they call first trying to get you to open the email. Do NOT open the email or strange emails o

When in doubt, contact your school technician and they will look into the matter with you before you click on emails, attachments or links th






The Watchful Eye





The Watchful Eye



 Suspicious email sending patterns detected

Severity: ● Medium

Time: 10/19/2021 6:15:00 PM (UTC)

Activity: Suspicious outbound email activity

User: [REDACTED]

Details: User [REDACTED], has been detected .
organization and will be restricted if this activity continues.

[View alert details](#)

-----Original Message-----

From: no-reply

Sent: Tuesday, October 19, 2021 2:26 PM

To: Aquino, Thomas <[REDACTED]>

Subject: UPS: On battery power in response to an input power problem.

Name : [REDACTED]

Location : [REDACTED]

Contact : [REDACTED]



APPLYING FOR CERTIFICATION IN 2024?

Submission Deadline:

#1

January 12

#2

March 22

#3

June 13

bit.ly/SchoolsCertCycle

CONNECT WITH & CONTACT US



<https://www.howell.k12.nj.us>



Joseph Isola - Superintendent
jisola@howell.k12.nj.us

Ron Sanasac - Assistant Superintendent Business Administrator/Board Secretary
rsanasac@howell.k12.nj.us

Claire Engle - Director Digital Learning & Innovation
cengle@howell.k12.nj.us

Erin Cutillo
ecutillo@howell.k12.nj.us

Jennifer Stenard
jstenard@howell.k12.nj.us

Sustainable Jersey for Schools Underwriters and Sponsors

Program Underwriters



Corporate Sponsors



* Digital Schools Underwriters and Sponsors