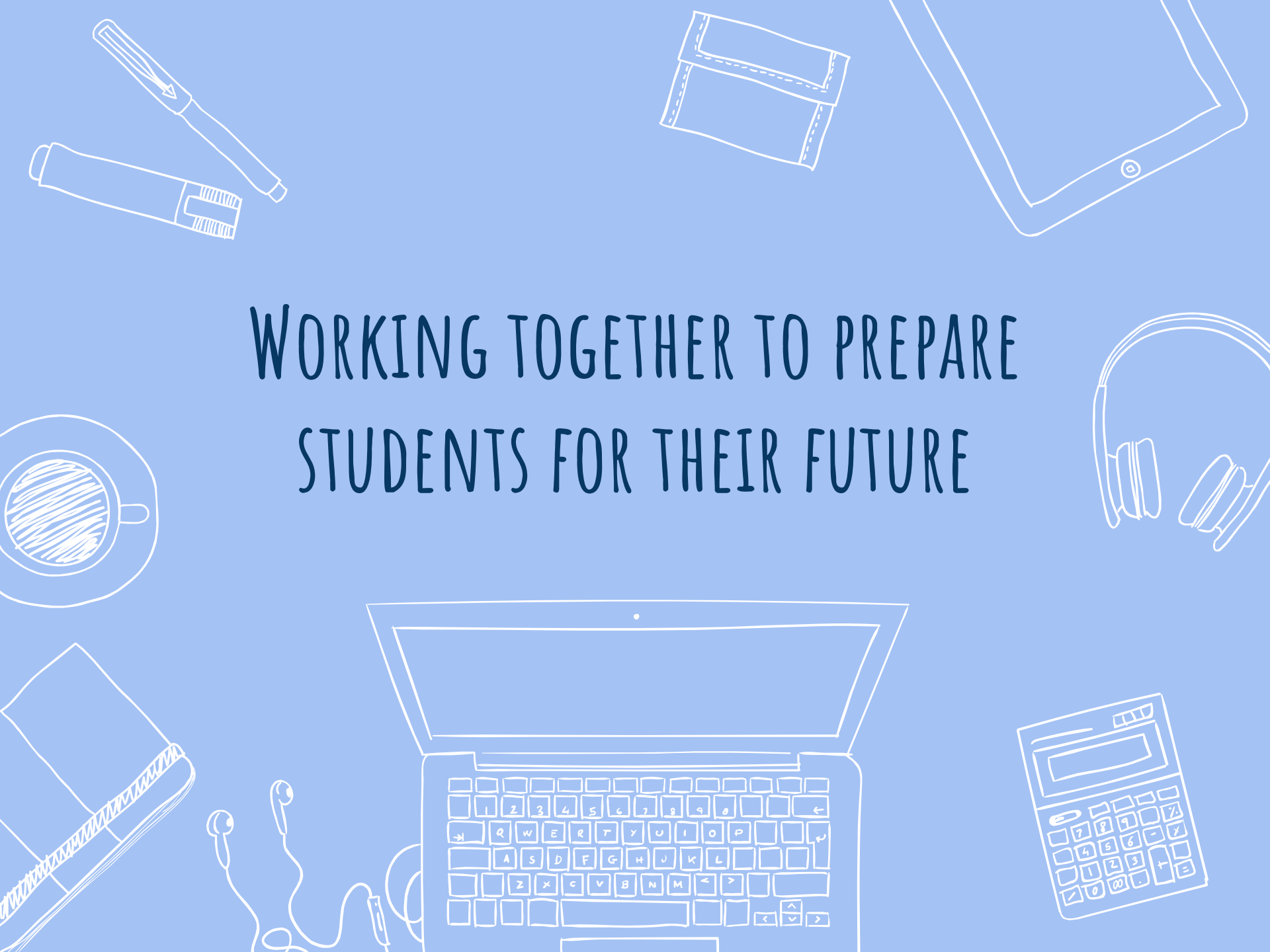
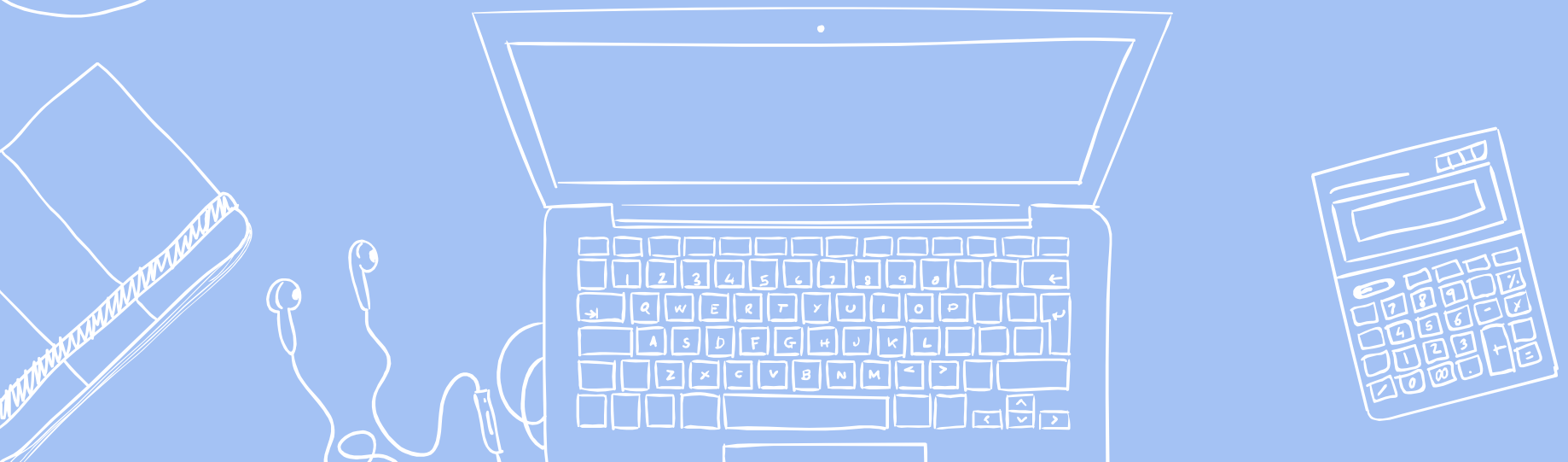
SYOSSET TECHNOLOGY INITIATIVE

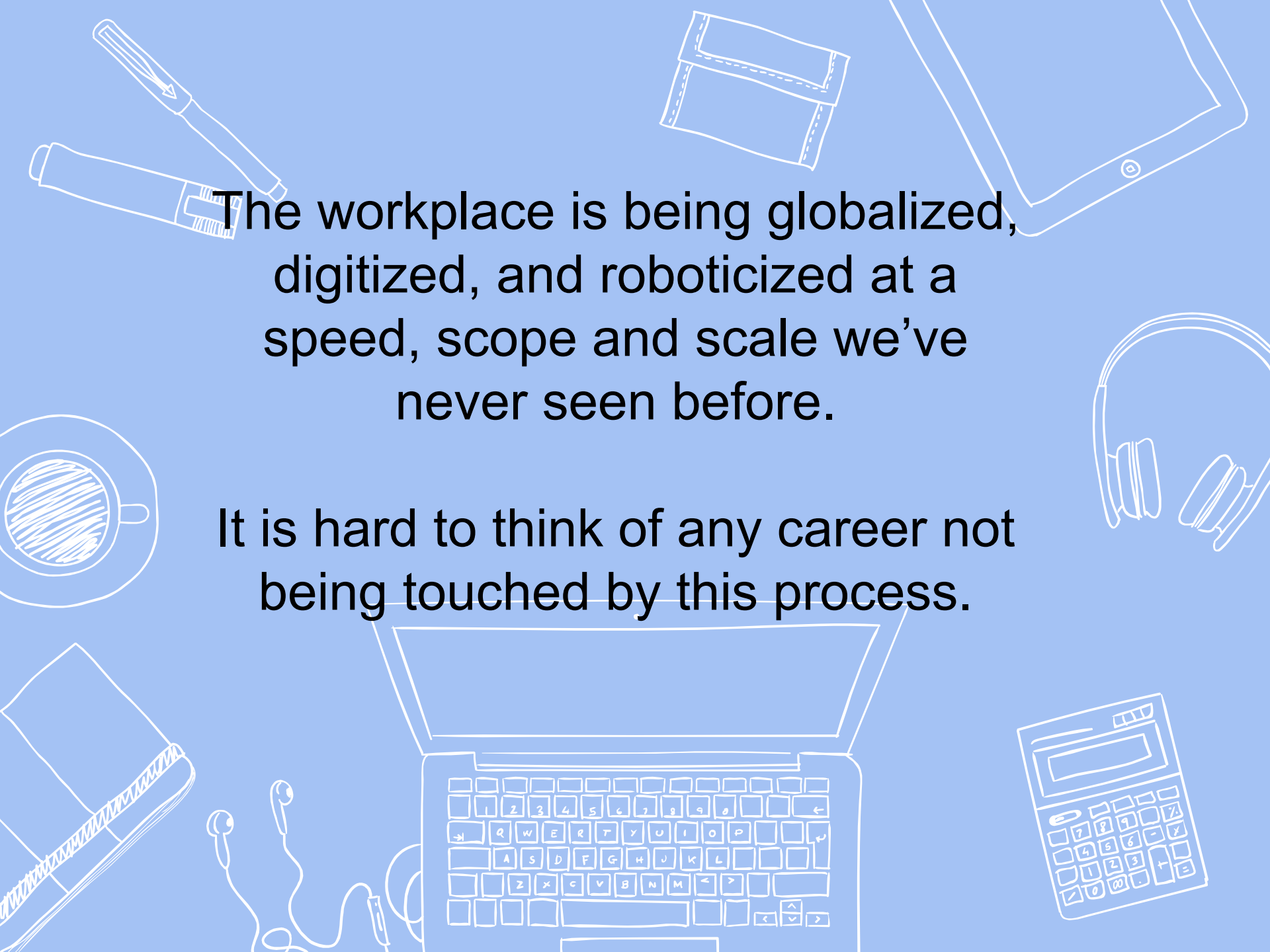
Working together to prepare students for their future



Thomas Friedman

At a minimum, our educational systems must be retooled to maximize these needed skills and attributes: strong fundamentals in writing, reading, coding, and math; creativity, critical thinking, communication, and collaboration; grit, self-motivation, and lifelong learning habits; entrepreneurship and improvisation at every level.





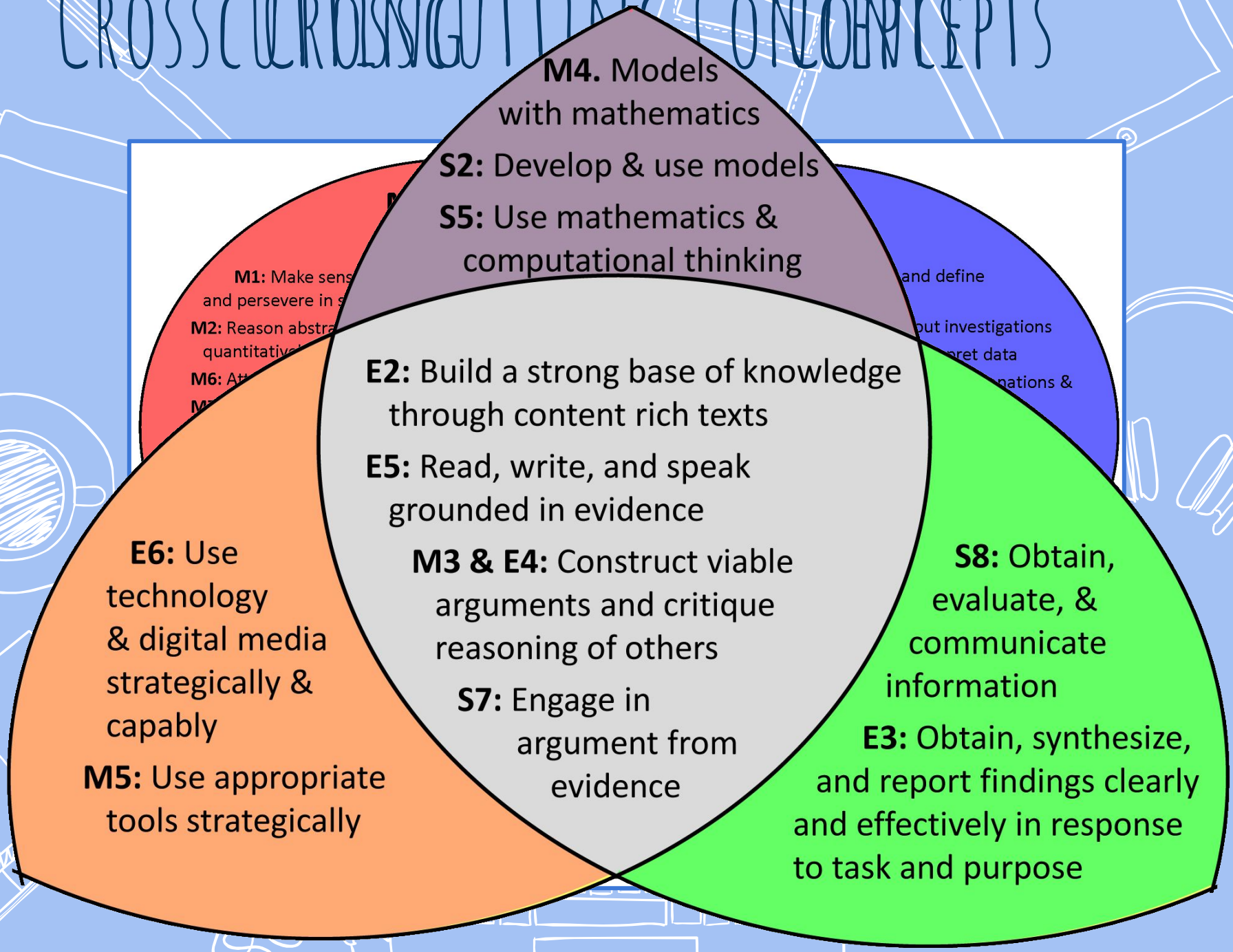
The workplace is being globalized, digitized, and roboticized at a speed, scope and scale we've never seen before.

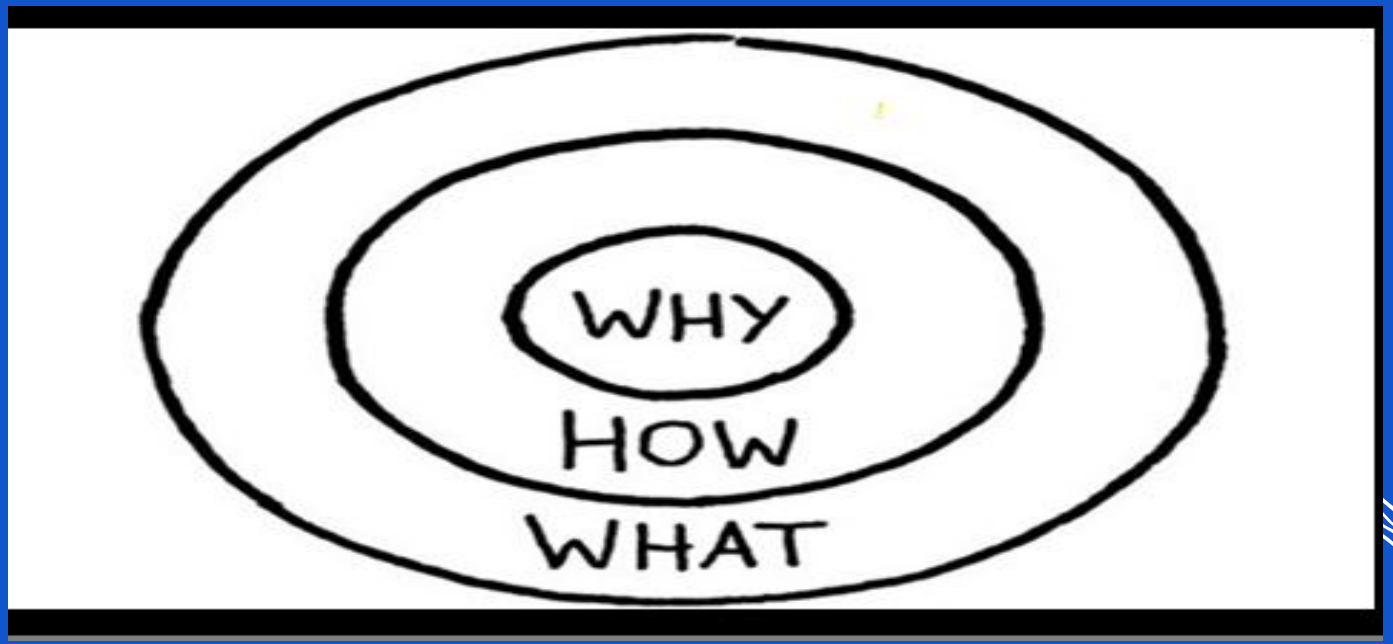
It is hard to think of any career not being touched by this process.

Syosset Big Ideas

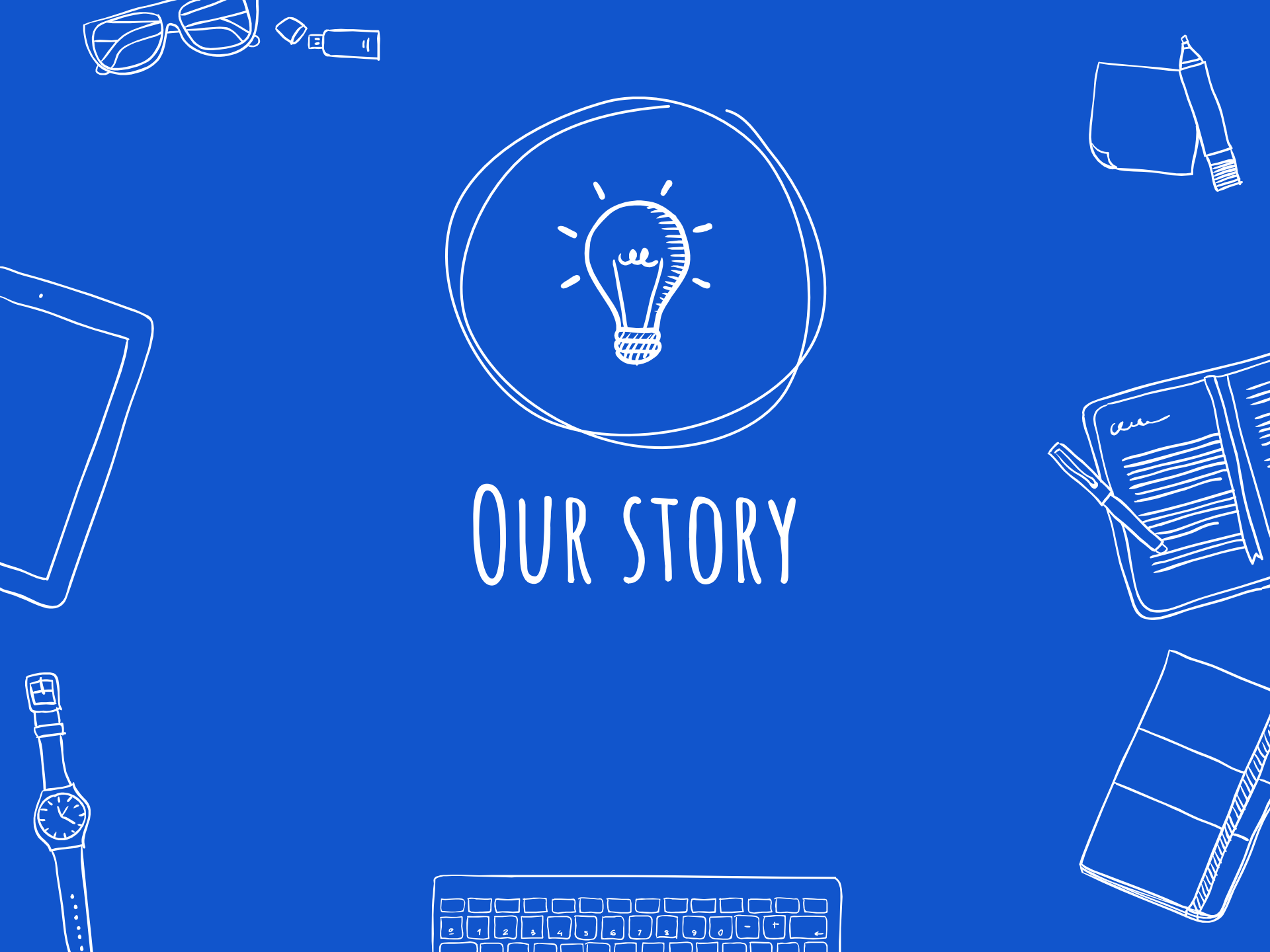
- Technology Amplifies Instruction
- Technology Cross cuts into all disciplines
- K-12 shift

Cross Cutting Concepts





Start With WHY...
Continue with HOW and WHAT


Our story

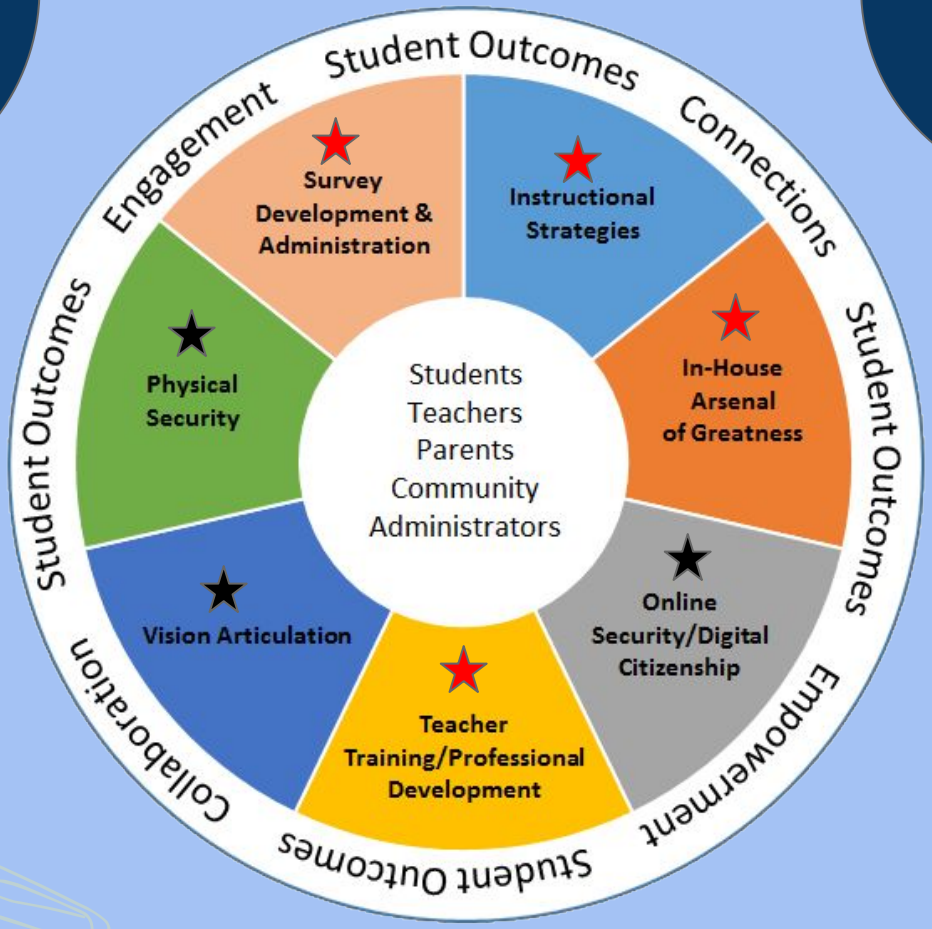
K-12 Technology WorkGroup

Where are we now?

Where do we want to go?

Instruction

Infrastructure



Our Pilots

1.0

12

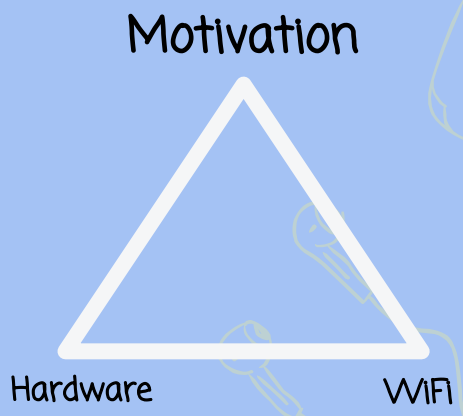
- Classroom Instruction
- Project-based Learning
- Active Learning Spaces
- Student Support Services

2.0 Adjacency

53

- Library Active Learning Spaces
- Professional Learning Adjacency
- Science Simulation & Inquiry-based Learning
- All Language Adjacency
- ENL Mobile Language Support
- K-2 Tablet Adjacency
- High School Flip & Blend
- Grade 3-5 Blended Learning Adjacency
- iPadding to Independence
- MAKE & STEAM Adjacency

What's Next?



Our vision

Instructional WHY Statement

We have an obligation to prepare our students to be responsive to a continually changing world and take agency of themselves, their communities, and society as a whole.

Source: K-12 Leadership Team

TECHNOLOGY WHY STATEMENT

We believe that through education, we can ignite curiosity that fuels motivation, innovation, collaboration, and problem-solving skills using technology as a pivotal tool to maximize student contributions in an ever-changing world.

Source: K-12 Technology Workgroup

Our Pilots

1.0

12

Classroom Instruction

Project-based Learning

Active Learning Spaces

Student Support Services

2.0 Adjacency

53

Library Active Learning Spaces

Professional Learning Adjacency

Science Simulation & Inquiry-based Learning

All Language Adjacency

ENL Mobile Language Support

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High School Flip & Blend

Grade 3-5 Blended Learning Adjacency

iPadding to Independence

MAKE & STEAM Adjacency

2.5

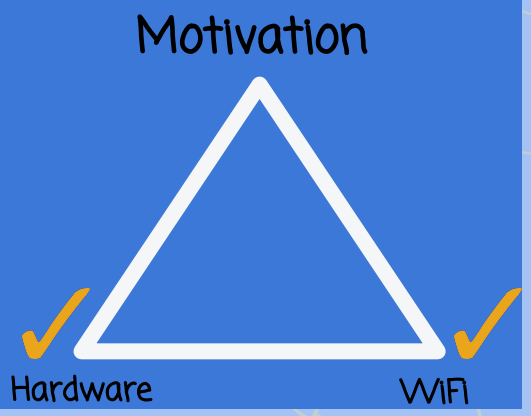
82+

K-5 Additional Chromebooks & Tablet Transition

Chromebooks for HS Teachers

Grades 9-12 new pilots:

- ★ World Languages
- ★ Health
- ★ Social Studies
- ★ English Language Arts
- ★ Mathematics
- ★ Science
- ★ Business
- ★ Special Education



Our Schools

Apply

Create

Enhancemen

Understa

Evaluate

Tech ansformation with no functional change.

Remember

Analyze

Historical Fiction

The Teachers College Reading & Writing Project
Columbia University

a st[illegible]ional characters that is set in a real time in history

Seesaw
The Learning Journal
GOOGLE SITES
Photo
Video
Drawing
Gallery
Note
Link
Gallery
Link
cool
subtract
Brain
division
skills
Creative
helps
concentration
sculls
safe
quick
thinking
skills
tables
click
different
literacy
games
saftety
Listening
science
imagination
develop
loads
solving
maths
times
ICT
achievement
Art
learn
writing
internet
problem
looking
Georgraphy
staying
drawing

Elementary Schools Professional Learning: How we got here

Elementary professional learning continues to be centered on best practices for instruction.
(we believe that technology should amplify those practices)

Summer Workshops

Colleague to Colleague

Google Classroom

On Site / On Going

chrome

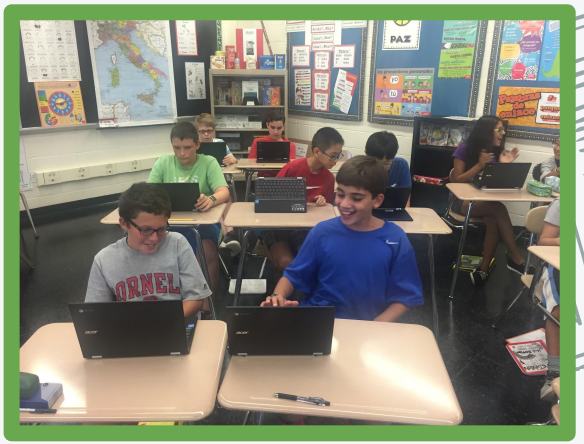
Elementary Schools

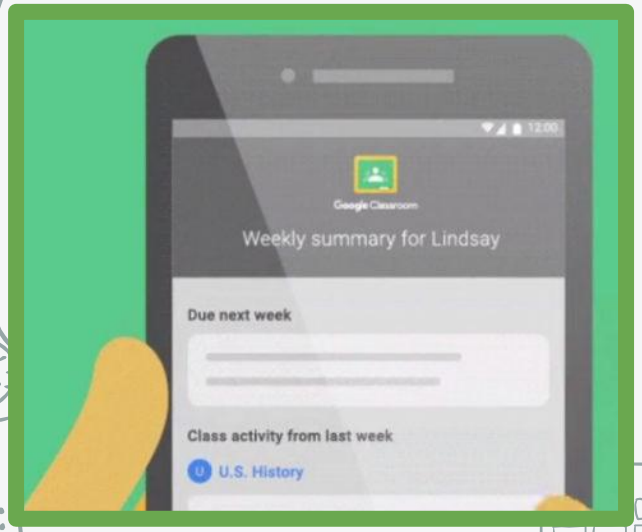
Keeping momentum moving forward...

Chromebook access for every elementary student throughout the day to amplify instruction.

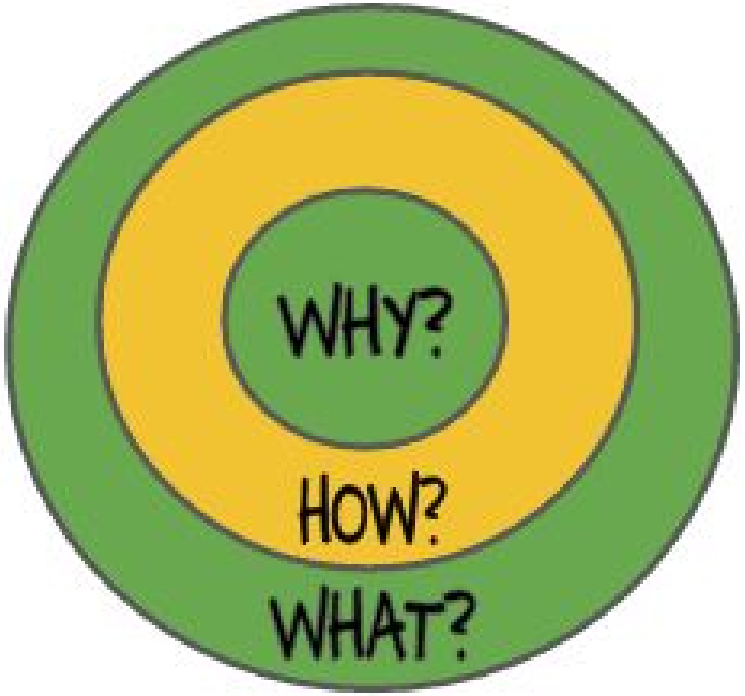
Google Classroom:

Communicate
Collaborate
create





Google Classroom:



Why? Organization
Time management
Access to information

How? Post assignments
Post announcements
Collaborate
Communicate
create

What? A platform of classroom Information
For teachers, Students & parents

Google classroom - Professional learning

Our Middle schools´ learning journey:

- Faculty & Department meetings
- Superintendent's conference day EDCAMP
- Building Technology committees
- Instructional practice committee

Middle Schools

Keeping momentum moving forward...

1:1 Chromebook for middle school students and teachers to amplify and extend instruction.

Syosset High School

Graduating Lifelong Learners and Globally Competitive Citizens

Amplify the Instruction

Global Citizens

Professional Learning

Amplifying Instruction

School-Based Learning
(All Faculty)

- Google Classroom
- Philosophy & Expectations
- Basic Care and Use

BOCES
Model Schools Learning
(40 Teachers)

- Instruction and Chromebooks
- Google Drive

Professional Learning

Cross cutting into all Disciplines

Turn-Key

(40 Teachers)

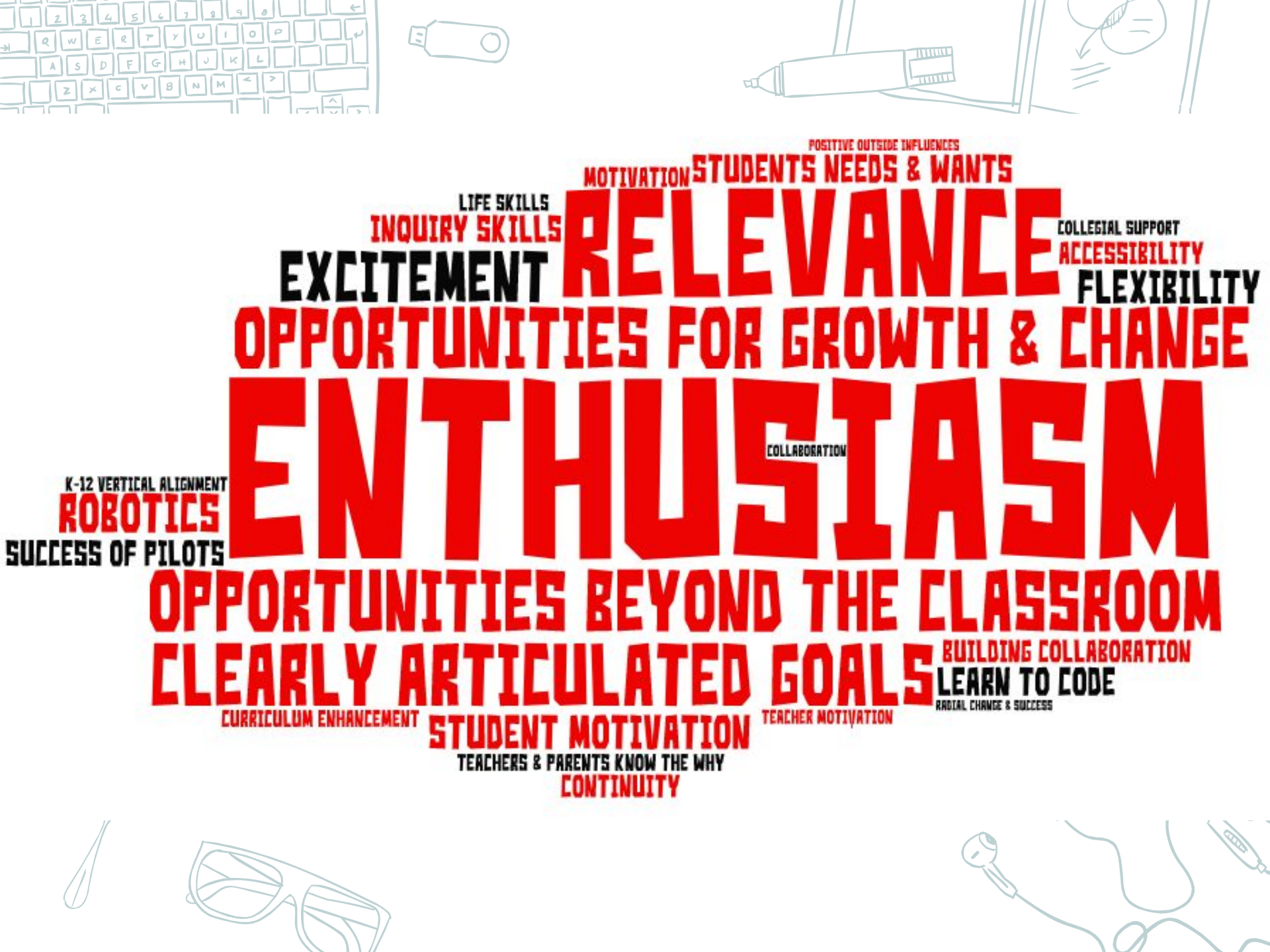
- **Faculty Meeting presentations**
- **Department Meeting Presentations**
- **Sharing through virtual platforms**
- **Teachers Actively Collaborating (TAC) Talks and Walks**

All students will be the beneficiary of amplified instruction

Syosset High School

Keeping momentum moving forward...

Additional pilots with emphasis on our incoming 9th grade students.


POSITIVE OUTSIDE INFLUENCES
MOTIVATION
STUDENTS NEEDS & WANTS
LIFE SKILLS
INQUIRY SKILLS
RELEVANCE
COLLEGIAL SUPPORT
ACCESSIBILITY
EXCITEMENT
FLEXIBILITY
OPPORTUNITIES FOR GROWTH & CHANGE
ENTHUSIASM
COLLABORATION
K-12 VERTICAL ALIGNMENT
ROBOTICS
SUCCESS OF PILOTS
OPPORTUNITIES BEYOND THE CLASSROOM
CLEARLY ARTICULATED GOALS
BUILDING COLLABORATION
LEARN TO CODE
RADIAL CHANGE & SUCCESS
CURRICULUM ENHANCEMENT
STUDENT MOTIVATION
TEACHER MOTIVATION
TEACHERS & PARENTS KNOW THE WHY
CONTINUITY

Current Status

Here's what it looks like tactically

Equipment & Services

The Syosset School District currently has the following deployed throughout 7 elementary schools (K-5), 2 middle schools (6-8), and one high school (9-12):

- 2500 Windows desktops and laptops
- 4200 Chromebooks
- 580 Android tablets
- 100 iPads
- 130 Mac desktops
- 50 Virtual desktop clients

- Two network operations centers (NOC) are located at each of our middle schools
- Internet access is provided by two sources for stability and redundancy
- Each classroom has at least one eacher desktop computer connected to an interactive projector or whiteboard, and printer
- All buildings have computer labs for instruction
- All libraries and pilot classrooms have Chromebook Carts for instruction and student use
- Wireless access is available in most instructional spaces - a plan has been created for expansion to all instructional spaces
- Digital cameras for student and teacher use are available in the school library and webcams are available in each building for video conferences
- A combination of 50 physical and virtual servers support instruction, administration and infrastructure functions