SCRIPT PD Team Collaboration Document

INSTRUCTIONS: This document will be used by your department team during the CSforAll SCRIPT Workshop with Mouse. Be sure that one member of your team has made a copy of this doc and provided edit access to other team members before getting started.

North Rockland

Workshop Resource

General

- District Folders with the Following Materials (Click into your specific district folder)
    - PD Collaboration Document
    - SCRIPT Rubric Slidedeck
    - CS Visions Jamboard
- CS Visions Activity Spreadsheet (All Districts)
- SCRIPT Rubric
- NY State Computer Science and Digital Fluency Standards

Visions of CS Education Activity

Materials for this Activity:

1. Why Education Jamboard (Find yours in your district's materials folder)

Why Education?

What is one purpose of education?

Provide all students skills and tools to positively impact a society that is constantly changing.

What are the most important needs of your students and community?

Giving access to a high quality education that is equitable to all students through:

- Social emotional support
- Intervention and enrichment including extended day programs
- Strong core instruction

What are the major initiatives for your Local Education Agency (LEA) right now?

- K-6 reading program
- SEL needs K-12
- NWEA at secondary

Materials for this Activity:

1. CS Visions Spreadsheet (Find yours in your district's materials folder)

CS Visions Statements and CS Visions Impact Areas

View Rationales for CS Education and Impact Areas HERE.

Setting your Vision for Computer Science Education

1. Using the CS Visions Activity Spreadsheet, add the number of votes for each impact area.

Your team's top 3 Impact Areas:

Citizenship & Civic Engagement

Technology, Social & Scientific Innovation

Competencies & Literacies

Drafting your CSforALL Visions Statement

Directions: The values/rationale above should be the ones your district is most committed to, and they'll be the starting point to guide your larger vision and implementation of CSforAll. In the blue field below, you will create a first draft of your vision statement. This is just a first draft! You can, and really, should, come back to and evolve these values/rationale as they engage in your CSforAll journey.

Your Visions Statement:

We believe in CS because…

The North Rockland Central School District is committed to providing students a technology rich learning environment, which will be used to enhance productivity, communication, research, problem solving, decision-making and creativity to be productive life learners in an information driven, flat world, global society.

Linking CS Visions Statement to Implementation

Directions: Now that you have a CS Visions statement, it is time to take a closer look at how this will impact four aspects of your district's CS Implementation Plan: Learning Goals, Classroom Instruction, Extra Curriculars, credit policies/course offerings. Read the information in the Grey table below and then complete the blue "Implementation Implications" table below.

Visions Statement *We should teach CS because...*	**Implementation Implication** *As a result, our CSforALL implementation might look different in these ways...* *You can address different levels of implications such as:* - *What **learning goals** look like* - *What **classroom instruction** looks like* - *What **extracurriculars** look like* - *What **credit policies and course offerings** look like* - *Etc...*
EXAMPLE 1 *...it allows us to integrate content from across many areas of the curriculum*	At the level of **learning goals** • We should look at existing goals/standards and determine where we can integrate CSforAll At the level of **classroom instruction** • we should offer integrated opportunities for ALL students in all content areas • We should offer teachers the opportunity to develop curriculum that At the level of **extracurriculars** • we should offer clubs, programming, and access (on & off campus) that allow students to explore how CS fits in with many different disciplines & content areas. At the level of **credits/course offerings** • we should offer opportunities from ES through HS

EXAMPLE 2 *...it helps students to develop life long skills of creativity, communication, collaboration, and persistence.*	At the level of **learning goals** • Maker Mentality • Problem solvers • Clear communicators • Skills to work with others • Develop Soft skills • Emphasize process over product • Making thinking visible At the level of **classroom instruction** we should • Inquiry Based Instructional Practice • PBL • Collaborative learning Practices • Design thinking • Small group Instruction • Classroom environments that allow for failure in a safe way • Encourage student driven problem solving At the level of **extracurriculars** • Robotics teams At the level of **credits/course offerings** we should • Develop specific course pathway for CS • Middle School Coursework? • Technology Student Driven Team • Evaluate Grading Practices • Integration of CS into all content

Implementation Implications

Complete the implementation implications table below.

Your Visions Statement	**Your Implementation Implications**
We believe in CS because... ***The North Rockland Central School District is committed to providing students a***	At the level of **learning goals:** • Problem solving skills • Risk takers • Clear communicators • Collaborative

technology rich learning environment, which will be used to enhance productivity, communication, research, problem solving, decision-making and creativity to be productive life learners in an information driven, flat world, global society.	• Analytical thinkers • Inquisitive • Process over product • Show what you know At the level of **classroom instruction:** • Project Based • Collaborative • Differentiated • Failure is expected • Reflective • Creative At the level of **extracurriculars:** • Robotics club • STEM club • LEGO club • High Robotics Team • Student Technology Help Desk At the level of **credits/course offerings:** • Engineering Academy • AP Computer Science • Business Management

Materials for this Activity:

1. Template SCRIPT Rubric Slide Deck (find yours in your district folder, one team member will make a copy and share with the group)

Setting Goals

Directions: As a team, complete the rubric and set 3-month, 6-month, and long-term goals. You will do this for each SCRIPT component. Don't forget to make your goals SMARTIE and to review each subcomponent of the SCRIPT rubric before setting a goal!

SCRIPT Component #1:

Materials and Curriculum Selection & Content Refinement Rubric

Your Materials and Curriculum Selection and Content Refinement Goals:

SCRIPT Rubric Sub-Components for reference:

Curricular Selection, K-12 Alignment & Progression, Ancillary Materials, Assessment, Lesson Development Support, Integrated or Multidisciplinary Activities, Materials for Diverse Learners

3-Month Goals	List your 3-Month Goal(s) here: - Identify aspects of CS standards that are currently going on within our schools - Explore the idea of creating more STEM facilitators for K-3 (budget implications) - Explore options within our Master Schedules for building in time for CS experiences - Pilot Robotics club in the elementary buildings - Use March 11th PD to meet with focus group teams Identify the rubric sub-component(s) targeted: **Curricular Selection**
6-Month Goals	List your 6-Month Goal(s) here: - Look for opportunities to embed CS standards within current curriculum (give teachers standards and remove the CS title and see how many standards are naturally embedded into what teachers do) - Establish STEM positions in the lower elementary schools - Revamp library curriculum to include some components of the CS standards - Meet with teachers in a focus group (1 teacher per grade per building) to unpack the standards and determine areas of overlap in curriculum - Identify Identify the rubric sub-component(s) targeted:
Long-term Goals	List your Long-term goal(s) here: - Being able to fully map out CS Standards K-12 and measure the district's effectiveness - Professional development Identify the rubric sub-component(s) targeted:

SCRIPT Component #2: Leadership

Your Leadership Goals:

Rubric Sub-Components for reference:

District Leadership, School Leadership, School Personnel, Planning, Implementation, Outcomes

3-Month Goals	List your 3-Month Goal(s) here:-
	• Present at Administrative meetings
	  ○ 2 meetings- introductory meeting to CS Standards
	  ○ Following meeting identifying our focus groups and current MOUSE teachers
	• Review building masters K-6 and find time for CS if possible
	• Review Staffing needs
	
	Identify the rubric sub-component(s) targeted:

6-Month Goals	List your 6-Month Goal(s) here: • Hire 3 additional STEM facilitators • Begin creating lesson materials and assessments for year 1 of CS roll out • Revise and utilize LMS staff in a different capacity (conduct meetings) • Identify leadership/admin at each grade band Identify the rubric sub-component(s) targeted:
Long-term Goals	List your Long-term goal(s) here: • Look at demographic breakdown of robotics and coding clubs Identify the rubric sub-component(s) targeted:

SCRIPT Component #3: Teacher Capacity & Development

Your Teacher Capacity and Development Goals:

Rubric Sub-Components for reference: Orientation Teacher PD, Teacher Working Groups, Advanced Teacher Development, Teacher Feedback

3-Month Goals	List your 3-Month Goal(s) here: Identify the rubric sub-component(s) targeted:

6-Month Goals	List your 6-Month Goal(s) here: Identify the rubric sub-component(s) targeted:
Long-term Goals	List your Long-term goal(s) here: Identify the rubric sub-component(s) targeted:

SCRIPT Component #4: Partners

Your Partners Goals:

Rubric Sub-Components for reference:

Local Partners (including informal education), Professional Learning Partners, State and National Partners

3-Month Goals	List your 3-Month Goal(s) here: • Identify current partners and PLN's Identify the rubric sub-component(s) targeted:
6-Month Goals	List your 6-Month Goal(s) here: • Brainstorm potential partnerships • Identify organizations that are available (COSN, NYSCATE, Social Media) • Communicate with other districts to learn their partnerships Identify the rubric sub-component(s) targeted:
Long-term Goals	List your Long-term goal(s) here: • Identify local partners that could provide hands on experiences for students K-12 Identify the rubric sub-component(s) targeted:

SCRIPT Component #5: Community

Your Community Goals:

Rubric Sub-Components for reference:

Families, Local Workforce Efforts, Local Diversity Efforts, Area Schools and Educational Institutions

3-Month Goals	List your 3-Month Goal(s) here: • Identify events that have happened or are planned within the buildings • Expand May Stem night to be a district-wide in-school events Identify the rubric sub-component(s) targeted:
6-Month Goals	List your 6-Month Goal(s) here: • Plan for family workshops in CS • Connect with local partners for hands-on to expand knowledge and empower growth (eg. O &R) Identify the rubric sub-component(s) targeted:
Long-term Goals	List your Long-term goal(s) here: • Cohort of parent leaders (like a parent academy) to turn key to other families Identify the rubric sub-component(s) targeted:

Calendaring & Outreach

When will your team reconvene next?

- Will meet on Feb.8th, to meet with CORE team; to discuss our May Stem event;

How will you check-in on goals?

- On Feb.8th, we will check in on our 3 month goals;

Is there anyone missing from your CS Education working group?

- Include technology council members, Library media specialist (start with Calise, Grant), possibly robotics teachers, stem teachers

Who do you need to consult with to accomplish your goals?

- **KF & AZ**

Have extra time? Draft an email! Create a calendar invite!