

Meeting Reminders

- **5:00 start time for those in need of technical support.**
- **Miro works best using Chrome or Microsoft Edge browsers (as opposed to Firefox or others).**
- **Please use the Miro link sent to your email to collaborate.**
- **In addition to the Zoom chat, feel free to add notes to the parking lot frame.**

Next
Meeting
May 11

A background image showing a student with long dark hair, wearing a white shirt, sitting at a desk and working on a laptop. The student is looking at the screen. In the background, other students are visible, also working on laptops. The image is slightly blurred and has a light blue tint.

Welcome

2022

**Technology Advisory Committee
Meeting 04**

Group "Norms"

Group norms are a set of agreements about how we work with each other and how the group will work overall. These agreed-upon behaviors allow the team to perform through healthy debate and clarity of purpose and roles.

Why is this important?

Guide those
new to the
group

Better
performing
team

Increases
attendance

Gives
everyone a
voice

Builds trust

Creates
accountability

Your Top Nine (per the Pre-Meeting Survey)

No
personal
Agendas

Presume
Positive
Intent

Listen with
an Open
Mind

Respect
Consensus

All voices
are
heard

Understand
other
perspectives

Ask for
clarfication

Avoid race,
ethnic,
gender
humor

Respect
Confidentiality

TAC Meeting 04 - AGENDA

1 Group Norms

2 Student Story

3 Follow up & Synthesis

4 Proposal Review

3 Presentation Technology

5 Breakout

6 Report out

7 Closing

Pranav
Venugopalan



I am a
junior at
North
Creek

I run varsity
track and
xc



Parking Lot Responses

How do we evaluate software to make sure that software is user friendly and doing what we want?

* Intention

* Perception

* Professional Development

* User Support and Feedback

* Curriculum Materials Adoption Committee

* Digital Resource Review

* LearnPlatform

Is implementing instrumentation to measure quality of experience regarding performance, accessibility, etc. included as part of 1:1 to ensure no kid gets left behind?

Will need some clarification to respond

Other?

You can use the new Parking Lot



What is 1:1?



Before
March
2020

- Total number of student computers EQUAL to enrollment.
- Included desktop computers, special needs allocations, and tablets.
- Included limited support computers ("Tier 2").
- Take home only for Special Needs and some high school students.

After
March
2020

- Additional purchases to refresh older devices.
- Total devices count larger than enrollment, including Tier 2.
- Take home by request.
- Take home device based on age, program need.
- Damage and replacement charged at actual rate.

Future State

- **Regular purchases to refresh older devices.**
- **Equitable take home for every Secondary student.**
- **Assurance program to ease damage and fines procedures.**
- **Most students get same device (Chromebook), but accommodations made for program and age.**



Synthesis of Big Ideas

Common Themes

Maintenance/Expansion of Instructional Computing

Maintenance of Learning Management Systems (Schoology, Seesaw, Clever)

Maintenance of Learning Analytics (Homeroom and LearnPlatform)

Additional Tech Levy staff, specifically to support the implementation of systems for Families

Professional Development

Discussion

Presentation Systems

Definition of 1 : 1 - center everyone on our TAC definition of 1:1

Upcoming Themes

Web Filtering and Digital Citizenship

Virtualized Learning Environments

Assistive Tech/Adaptive Technologies

Students learning and growing anywhere and anytime with support from staff and engaged families.

1:1+1

Maintain one to one inventory.

Maintain resources for special labs and program environments.

All MS and HS students take a device home.

Some take home devices specific to special programs and needs.

Elementary devices allocated to classrooms for student use.

Devices appropriate for age, learning activity, and task.

Learning Management

Maintain Schoology, Seesaw, and Clever.

Improve consistency of use and standardization of resources.

Evolve the effective use of LMS in hybrid and fully in person models.

Analytics

Maintain/Expand LearnPlatform and Homeroom.

Leverage data to measure student growth and need.

Add staffing to support increased use and development.

Expand effective data literacy practices through training.

Provide transparency to families in regard to data security/privacy.

Family Tech Support

Add staffing to TechSupport for Family support of Levy projects.

Add bilingual support for staff and families.

Provide a tech liaison to student services Family Outreach staff.

Improve service to families.

What is the state of presentation technology in Northshore and how does it support student learning?

A background image of a student with long dark hair, wearing a white shirt, sitting at a desk and typing on a laptop. The laptop screen shows a document with text. In the background, other students are visible at their desks, and the classroom environment is slightly blurred.

Break Out!

Think. Pair. Share.

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

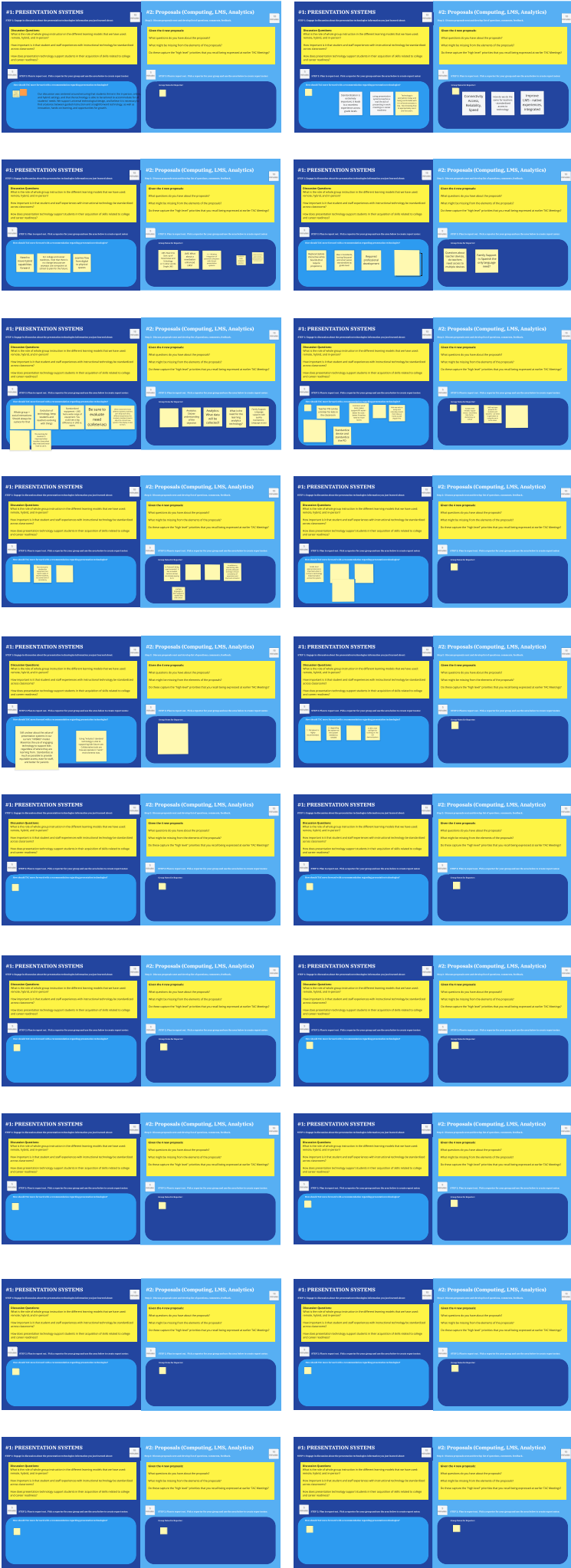
What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:



A background image of a student with long dark hair, wearing a white shirt, sitting at a desk and typing on a laptop. The laptop screen shows a webpage with text and a sidebar. In the background, other students are visible at their desks, and the classroom environment is softly blurred.

Report Out!

Share.

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Universal
Design
applied to
technology

Our discussion was centered around ensuring that students thrive in the in-person, online, and hybrid settings, and that the technology is able to be tailored to accommodate for all students' needs. We support universal technological design, and believe it is necessary to find a balance between guided instruction and straightforward technology, as well as innovation, hands-on learning, and opportunities for growth.

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:



#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Standardization is extremely important, it leads to a seamless experience across grade levels

using presentation systems teaches a real life skill of presenting in work meetings in career readiness

Technology is everywhere today and being comfortable with it in all environments is key. Also knowing how to appropriately use it and not use it.

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

Connectivity
Access,
Reliability,
Speed

How do we do the same for teachers
- standardized access to technology

Improve LMS - native experiences, integrated

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Need to
move hybrid
capabilities
forward

For college and career
readiness, I feel that there is
no change because we
anyways use computers at
school to plan for the future.

seamles flow
from digital
to physical
spaces

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

LMS: Real time
Sync up of
Parentview and
Schoolology
or in other words
Single LMS

LMS: What
about a
new/better
enhanced
LMS?

1:1 - Wireless
Integration of
personal computers
with School
presentation
systems

A district
wide
analytics
solution.

Request that Software
providers provide analytics
tools to teaching or
engage with the district
system (LMS/Platform only)
May need district time to
work with providers

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Replace/Update
interactive white
boards (that
require
projectors).

Idea: 2 standards,
boring flat panel
and smart panel,
standardized by
grade level

Required
professional
development

If the price equivalence is one
touch screen vs two panel
screens that are not touch,
would teachers really prefer a
touch device? Standards are
important, but how do we also
allow for teachers to have
differentiated spaces that meet
their instructional style and
need?

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

Questions about
teacher devices,
do teachers
need access to
multiple devices

Family Support
- is Spanish the
only language
need?

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Whole group = social interactions
Should always be a place for that

Evolution of technology, keep students and teachers evolving with things

Standardized equipment - LMS had a wide range of equipment. You could see a big difference in LMS vs. NCHS

Be sure to evaluate need (cafeterias)

When classrooms have different systems, teachers can't help each other, different experiences for students, teachers have to adjust to a brand new system if the display is new to them.

These presentation technologies are already being used in industries; students need to know how to use effectively for college and career readiness

The learning for students is improved when teachers have what they need and know how to use it.

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

More information to analyze and understand all of the pieces of 1:1 Cost, systems in place, etc. Think through the downsides and how to address.

Analytics: Clearer understanding of the objective

Analytics: What data will be collected?

What is the need for the learning analytics technology?

Family Support: Language supports with quality translations - Language access

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Teacher PD can be a limiter for kids in the classroom

Common set of tools makes support/PD easier - better for subs - better if teachers need to move rooms

Student ability to present their ideas is a must for college and business - its a given and an assumption

Kids use tech to easily and naturally present their ideas at home as well (Apple TVs)

Student experience shouldn't be so dramatically different depending on what classroom they are in - equipment and teacher PD shouldn't be a limiter

Standardize device and standardize the PD

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

All kids need reliable, regular access - secondary take home - elementary at school

LMS has been powerful for students and teachers - we need to get better at using the sw in some cases

Virtualized environments can help with common experience for computing devices - that will only get more powerful - but may require staff to learn new skills or change software

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Non fixed-equipment should be tools which educators can choose from (from a limited choice) - e.g. doc cam, web cam, video cameras

Not necessarily standardize equipment, but match needs of teacher/students, but some level of consistency

Should continue to have screens in classrooms, moving away from projectors which have visibility issues over time

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

Is Forecast5 being used currently? It has a student section and we are already paying for it.

What is the benefit of analytics, do we know (what problems are we trying to solve)? Would they inform future Levy proposals?

Does proposal for LMS just have funding for continuing using it, or is new funding for better/maintaining training on it?

In addition to maintaining LMS, provide adequate training to ensure consistency of experience and improved utilization

multiple languages in tech support is a great idea and critical.

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Grade level appropriateness is important when it comes to technology implementation across the system.

Keep in mind the need for students to participate remotely both at home and in the classrooms from now on. Even post-COVID. No more snow days.

related to post covid remote learning - once everyone is 100% back in the classroom the remote learning "muscles" will atrophy. Not sure if the state will allow it, but periodic remote days through the year, sort of like the way fire drills make sure the notification systems are functioning, could help make sure everything is still working before the next remote only emergency occurs.

with an eye towards college and career readiness, presentation technologies should align with those the most common in business and higher ed, even things like adding typing to the curriculum would help :)

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:



#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

Still unclear about the value of presentation systems in our current "HYBRID" model. Maximize the use of engaging technology to support kids regardless of where they are learning from. Standardize as much as possible to provide equitable access, ease for staff, and better for parents

Using "industry" standard technology is vital to supporting kids future use. Collaborative tools are how we operate in "work" environments now.

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:

#1: PRESENTATION SYSTEMS

10
minutes

STEP 1: Engage in discussion about the presentation technologies information you just learned about:

Discussion Questions:

What is the role of whole group instruction in the different learning models that we have used: remote, hybrid, and in-person?

How important is it that student and staff experiences with instructional technology be standardized across classrooms?

How does presentation technology support students in their acquisition of skills related to college and career readiness?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

How should TAC move forward with a recommendation regarding presentation technologies?

1. Flat panel is highly recommended.

2. Upgrading the system as the system needed as needed

3. Professional development needed to support staff regularly as the tech system is evolving

4. Will a new staff get the training on the old devices/system

#2: Proposals (Computing, LMS, Analytics)

10
minutes

Step 2: Discuss proposals sent and develop list of questions, comments, feedback.

Given the 4 new proposals:

What questions do you have about the proposals?

What might be missing from the elements of the proposals?

Do these capture the "high level" priorities that you recall being expressed at earlier TAC Meetings?

5
minutes

STEP 2: Plan to report out. Pick a reporter for your group and use the area below to create report notes:

Group Notes for Reporter:





Closing



Thank you!

The next meeting is:

Tuesday, May 11, 5:30-7:30 p.m.

Summaries of today's meeting will be sent to each of you and posted to the website along with meeting minutes.

If you have any questions about the Miro tools we discussed today, please contact:

Krista Lutz klutz@oacsvcs.com

Shelby Reynolds sreynolds@nsd.org