

**NORTH CASCADES AND OLYMPIC SCIENCE PARTNERSHIP SUMMER ACADEMY
TENTATIVE PARTICIPANT AGENDA**

MONDAY, AUGUST 1 (DAY 1)

7:00-8:15 Check in

Location: Viking Union Multipurpose Room

8:30 – 10:00 Welcome and Overview

Location: Viking Union Multipurpose Room

Academy Strand: Professional Learning Community

- Welcome!
- Overview and Vision of the Partnership and the Academy
- Roles: What NCOSP expects of Teacher Leaders
- Supports: What Teacher Leaders can expect of NCOSP

10:00 - 10:30 Break

Location: Viking Union Multipurpose Room

10:30 – 12:30 Meeting the needs of diverse learners

Location: Viking Union Multipurpose Room

Academy Strand: Professional Learning Community, Effective Science Learning and Teaching

12:30-1:30 Lunch

Location: Viking Union 565, 567 – Buffet Lunch

1:30 – 2:00 Preparing for the Content immersion

Location: Viking Union Multipurpose Room

Academy Strand: Effective Science Learning and Teaching; Learning Science and the Science of Learning

2:00 - 2:30 Break and Transition

2:30 – 4:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261; Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

TUESDAY, AUGUST 2 (DAY 2)

8:30 – 10:00 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230
Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

10:00 – 10:15 Break (each room establish a break time as appropriate)

10:15 – 12:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230
Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

12:30-1:30 Lunch

Location: Viking Commons

1:30 – 4:30 Integrated Curriculum Topic Study and Lesson Study

Location: Viking Union Multipurpose Room, Viking Union 565
Academy Strand: Planning for Continuous Improvement, Professional Learning Community

Special Presentations:

Jackie Hurd, math coach and mentor teacher, San Mateo-Foster City School District
“An Introduction to Lesson Study”

Makoto Yoshida, Ph.D., Founder and President, Global Education Resources
“Conducting Kyozaikenkyu (Instructional Materials Investigation) During Lesson Study:
Toward Improving Teacher’s Content and Pedagogical Knowledge”

WEDNESDAY, AUGUST 3 (DAY 3)

8:30 – 10:00 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

10:00 – 10:15 Break (each room establish a break time as appropriate)

10:15 – 12:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

12:30-1:30 Lunch

Location: Viking Commons

1:30 – 4:30 Integrated Curriculum Topic Study and Lesson Study

Location: Whatcom: VU 565; Skagit: VU 567; Peninsula: VU 462, 464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

THURSDAY, AUGUST 4 (DAY 4)

8:30 – 10:00 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230
Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

10:00 – 10:15 Break (each room establish a break time as appropriate)

10:15 – 12:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230
Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

12:30-1:30 Lunch

Location: Viking Commons

1:30 – 4:30 Special Topics Sessions

Location: Room assignments and titles forthcoming
Academy Strand: Effective Science Learning and Teaching

Special Evening Event – includes dinner:

5:15 SMATE-A-THON 2005!!!

Location: Starts at SMATE and ends at Lake Padden Park
Come join us for the second annual (and even more enjoyable) SMATE-A-THON. Race begins at SMATE, and ends with a picnic dinner at the Lake Padden Park Playground Shelter. All are welcome and encouraged to attend.

FRIDAY, AUGUST 5 (DAY 5)

8:30 – 11:30 Integrated Curriculum Topic Study and Lesson Study

Location: Whatcom: VU 565; Skagit: VU 567; Peninsula: VU 462, 464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

11:30-12:30 Lunch

Location: Viking Commons

12:30 – 3:30 Immersion Experience

Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;

Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

3:30 - 3:45 Break

3:45– 4:30 End of Week Closing: Where have we been? Where are we going?

Location: SL150

Academy Strand: Professional Learning Community

MONDAY, AUGUST 8 (DAY 6)

8:30 – 9:30 Welcome and Overview (Administrators present)

Location: Viking Union Multipurpose Room

Academy Strand: Professional Learning Community

- Overview of partnership
- Sharing between teachers and administrators

9:30 – 10:45 Special Presentation: “The El Centro Story”. Mike Klentschy

Location: Viking Union Multipurpose Room

Academy Strand: Professional Learning Community

What are the essential features of a high quality science education program?

10:45 – 11:00 Break and transition to planning rooms

11:00 – 12:30 Integrated Curriculum Topic Study and Lesson Study

Location: Whatcom: VU 565; Skagit: VU 567; Peninsula: VU 462, 464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

What does research say about the key features of effective professional development?

How does Integrated Curriculum Topic Study and Lesson Study align with research findings on effective professional development?

How can Administrators and Teacher Leaders collaborate to:

- (1) Implement elements of Integrated Curriculum Topic Study and Lesson Study to support the district science program?
- (2) Involve others teachers from their building to support *all* teachers of science?

12:30-1:30 Lunch

Location: Viking Union Multipurpose Room (plated lunch)

1:30 – 4:30

Administrators: Implementing effective professional development (tentative process)

[Note: Teacher Leaders will be in content session at this time]

Location: Viking Union 565

Academy Strand: Effective Science Learning and Teaching; Professional Learning Community

What is my role as an instructional leader to implement a high-quality science professional development program?

What are your challenges as instructional leaders implementing high-quality science professional development?

2:30 – 2:45 Break

2:45 – 4:00 Implementing effective professional development programs

Panel Presentations

1. What is the district/regional theory of adult learning that informs its professional development programs?
2. What structures are in place to support the district/regional science professional development program?
3. How are NCOSP Teacher Leaders building district/regional capacity to support the district science professional development program?
4. What are the challenges and success the district/region has encountered in implementing the science professional development program?

4:00 – 4:30 Bringing it all back home

What key insights from the day will inform my work in my school, district and region?

Teacher Leaders: Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;

Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

TUESDAY, AUGUST 9 (DAY 7)

8:30 – 10:00 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

10:00 – 10:15 Break (each room establish a break time as appropriate)

10:15 – 12:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;
Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

12:30-1:30 Lunch

Location: Viking Commons

1:30 – 4:30 Integrated Curriculum Topic Study and Lesson Study

Location: Whatcom: VU 565; Skagit: VU 567; Peninsula: VU 462, 464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

WEDNESDAY, AUGUST 10 (DAY 8)

8:30 – 10:00 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;

Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

- Cycle 4 – Activity1 - 4

10:00 – 10:15 Break (each room establish a break time as appropriate)

10:15 – 12:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261;

Middle School: SL210; High School: SL230

Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

12:30-1:30 Lunch

Location: Viking Commons

1:30 – 4:30 Special Topics Sessions

Location: Room assignments and titles forthcoming

Academy Strand: Effective Science Learning and Teaching

THURSDAY, AUGUST 11 (DAY 9)

8:30 – 10:30 Life Science Immersion Experience

Location: Peninsula Elementary: BI258; Skagit Elementary: BI139; Whatcom Elementary: BI261; Middle School: SL210; High School: SL230
Academy Strand: Learning Science and the Science of Learning; Effective Science Learning and Teaching

10:30 – 10:45 Break and Transition

10:45 - 12:30 Integrated Curriculum Topic Study and Lesson Study

Location: Whatcom: VU 565; Skagit: VU 567; Peninsula: VU 462, 464
Academy Strand: Planning for Continuous Improvement, Professional Learning Community

12:30 – 1:30 Lunch

Location: Viking Commons

1:30 – 4:30 Special Topics Sessions

Location: Room assignments and titles forthcoming
Academy Strand: Effective Science Learning and Teaching

Special Evening Event – includes dinner:

5:00 “No Talent” Talent Show!!!

Location: SMATE Learning Resource Center

This year we proudly present the first ever “No Talent” Talent Show. You will be amazed, you will be shocked, and you may even be horrified! Join us for an evening of pizza, salad, and beer...heck, at least the food will be good.

FRIDAY, AUGUST 12 (DAY 10)

8:30 – 9:30 Integrated Curriculum Topic Study and Lesson Study

Location: Whatcom: VU 565; Skagit: VU 567; Peninsula: VU 462, 464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

9:30 – 9:45 Break and Transition

9:45 – 10:30 Planning for Continuous Improvement: Peer Feedback Protocol, Round 1

Location: VU 565; VU 567; VU 462; VU464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

10:30 – 10:45 Break and Transition

10:45 – 11:30 Planning for Continuous Improvement: Peer Feedback Protocol, Round 1

Location: VU 565; VU 567; VU 462; VU464

Academy Strand: Planning for Continuous Improvement, Professional Learning Community

11:30 – 12:30 Planning for Continuous Improvement: Final Reflections (Working Lunch)

Location: Viking Commons

12:30 – 1:30 Closing: Next Steps

Location: SL150

Academy Strand: Professional Learning Community