Professional Development Curriculum

School2Home provides 24 hours of professional development to participating teachers. The curriculum is designed to be delivered in eight, three-hour modules.

Overall Goal: Teachers are knowledgeable about supporting student learning in the School2Home 1-to-1 environment, and they have learned to integrate 21st Century skills, tools and teaching strategies into their classroom practice and homework assignments. Moreover, teachers are committed to using digital tools to improve communications with parents and other caregivers.

Learning Objectives: Teachers participating in the School2Home professional development program:

- Are prepared to engage their students in using technology on a daily basis.
- Have gained experience integrating 21st Century skills into their teaching practice.
- Are familiar with resources to support California Content Standards in a student-centered, 1-to-1 environment.
- Have learned pedagogical strategies and identified technologies to support learning activities in the classroom.
- Know how they can use technology to engage parents in supporting their students as learners.
- Are prepared to take advantage of the 1-to-1 environment to improve communication with families and increase parent involvement in student learning.

The Session Modules: School2Home professional development is provided through eight, three-hour modules designed around the International Society for Technology in Education (ISTE) National Educational Technology Standards for Students (NETS•S) (see reverse). The National Educational Technology Standards for Teachers (NETS•T) further provide a framework for educators to use as they transition schools from being Industrial Age spaces to being Digital Age places of learning. The NETS•S focus less on learning about technology and more on learning with technology. They provide guidelines for how students can use technology to learn key concepts and apply their learning in authentic, integrated ways to solve problems, complete projects and creatively extend their abilities. During the sessions, teachers will learn about tools to support their classroom teaching within the context of the NETS•S. Presenters will also share resources that support California Content Standards for middle school students, and participants will have the opportunity to develop a unit for classroom use using the resources shared in the modules. The key themes of each module, based on the ISTE NETS•S, are as follows:

- <u>Module 1</u>: Introduction to the School2Home Program: Teaching in a 1-to-1 Classroom
- <u>Module 2</u>: Communication and Collaboration
- <u>Module 3</u>: Collaboration and Parental Engagement
- <u>Module 4</u>: Cultural Understanding and Global Awareness
- <u>Module 5</u>: Research and Information Fluency
- <u>Module 6</u>: Digital Citizenship and Cybersafety
- <u>Module 7</u>: Critical Thinking, Problem Solving and Real-World Data
- <u>Module 8</u>: Bringing It All Together

Professional Development Schedule: The modules are provided in hands-on sessions at the school site, with at least one presenter for each 16 participants. During the beta phase, two modules will be delivered at each session. During the prototyping phase, there will be more flexibility in scheduling sessions. A school may want to schedule four modules during the summer, on two consecutive days, and the remaining four as after-school sessions during the school year. Saturday sessions are also an option.

ISTE National Educational Technology Standards for Students (NETS*S):

1. **Creativity and Innovation:** Students demonstrate creative thinking, construct knowledge and develop innovative products and processes using technology. Students:

   a. Apply existing knowledge to generate new ideas, products or processes.
   b. Create original works as a means of personal or group expression.
   c. Use models and simulations to explore complex systems and issues.
   d. Identify trends and forecast possibilities.

2. **Communication and Collaboration:** Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. Students:

   a. Interact, collaborate and publish with peers, experts or others employing a variety of digital environments and media.
   b. Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
   c. Develop cultural understanding and global awareness by engaging with learners of other cultures.
   d. Contribute to project teams to produce original works or solve problems.

3. **Research and Information Fluency:** Students apply digital tools to gather, evaluate and use information. Students:

   a. Plan strategies to guide inquiry.
   b. Locate, organize, analyze, evaluate, synthesize and ethically use information from a variety of sources and media.
   c. Evaluate and select information sources and digital tools based on the appropriateness to specific tasks.
   d. Process data and report results.

4. **Critical Thinking, Problem Solving and Decision Making:** Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources. Students:

   a. Identify and define authentic problems and significant questions for investigation.
   b. Plan and manage activities to develop a solution or complete a project.
   c. Collect and analyze data to identify solutions and/or make informed decisions.
   d. Use multiple processes and diverse perspectives to explore alternative solutions.

5. **Digital Citizenship:** Students understand human, cultural and societal issues related to technology and practice legal and ethical behavior. Students:

   a. Advocate and practice safe, legal and responsible use of information and technology.
   b. Exhibit a positive attitude toward using technology that supports collaboration, learning and productivity.
   c. Demonstrate personal responsibility for lifelong learning.
   d. Exhibit leadership for digital citizenship.

6. **Technology Operations and Concepts:** Students demonstrate a sound understanding of technology concepts, systems and operations. Students:

   a. Understand and use technology systems.
   b. Select and use applications effectively and productively.
   c. Troubleshoot systems and applications.
   d. Transfer current knowledge to learning of new technologies.