KOREA DISTRICT STATUS REPORT:

1:1 LAPTOP INITIATIVE

School Year 2012-2013
Seoul American High School

Superintendent: Dr. Irby Miller
Assistant Superintendent: Dr. Judith Allen
District Educational Technologist: Ms. Darlene Rozzi
KOREA DISTRICT OFFICE

Superintendent: Dr. Irby Miller
Assistant Superintendent: Dr. Judy Allen
Educational Operations Manager: Dr. Evelyn Ellis
District Educational Technologist: Darlene Rozzi
District Supervisory Administrative Technologist: Doug Moulton
Supervisory Logistics Specialist: Keith Fointno

SEOUL AMERICAN HIGH SCHOOL

Principal: Kathleen Reiss
Assistant Principal: Linda Edwards
Educational Technologist: Joan Oana
Administrative Technologist: Oskar Franklin
Administrative Officer: Rick Higgins
Supply Technician: Yong Ho Pak
Faculty Representative Spokesperson: Faithful Carter

SEOUL AMERICAN HIGH SCHOOL FALCON TECH SQUAD

Karl Bullock - President
Trent Mendonsa – Vice President
Tori Dougherty - Secertary
Aaron LaShier
Adam Myers
Colt Morris
Daniel Stayt
Frederick Lee

Martin.Caspary,Smith
Mathew Kellhofer
Minu Oh
Gabriel Pelley
John Oh
Joseph McMahan
Kadar Claiborne
Carmen Wedeking
Brooke Wills
BACKGROUND

The Department of Defense Dependents Schools began a 1:1 laptop initiative in school year 2011-2012 with 10 high schools and middle schools in DDESS and DoDDS-Europe. As of this school year (12-13) the initiative expanded to include DoDDS-Pacific. In the Korea District Seoul American High School was selected to adopt this program as the first 1:1 laptop high school in Korea.

Seoul American High School is comprised of 614 students and 60 faculty. The school is mainly comprised of Army dependents which account for 49% of the population the rest are distributed between contractor and other branches of the military.

| TIMELINE |
|-----------------|---------------------------------|
| **AUGUST 2012** | Preliminary meetings begin with District ETs about the laptop |
| **SEPTEMBER 2012** | Telephonic meetings with headquarters began. (Held Bi-Weekly)  
Korea District meetings began with district and school level members. (Held Bi-Weekly)  
Steering Committee meetings began |
| **OCTOBER 2012** | SAHS turns in Implementation Plan  
Planning for the PD with teachers  
Telephonic meetings with headquarters began. (Held Bi-Weekly)  
SAHS teachers visit Seoul Foreign School to see the 1:1 Laptop in action |
| **NOVEMBER 2012** | Seoul Foreign School visits Yongsan and shares information with all four districts in the Pacific via VTC.  
Telephonic meetings with headquarters began. (Held Bi-Weekly)  
SAHS Completes Laptop Plan  
Logistics plan in place for delivery, inventory, and distribution. (Due to lack of space at SAHS the laptops will be housed on the Seoul American Middle School campus.) |
| **DECEMBER 2012** | Pacific Wide ISS Meetings  
SAHS Completes PD Plan  
Laptops arrive  
Telephonic meetings with headquarters began. (Held Bi-Weekly)  
SAHS Student Tech Team Formed  
Student Laptop Handbook Created |
| **JANUARY 2013** | |
• Telephonic meetings with headquarters began. (Held Bi-Weekly)
• Pacific Wide ISS Meetings
• Parent Meetings

FEbruAry 2013
• Telephonic meetings with headquarters began. (Held Bi-Weekly)
• Distribution of Laptops
• SAHS PD 2nd day
• SAHS PD 3rd day – ½ day

Telephonic Meetings
Meetings were held bi-weekly to discuss professional development, technology issues, logistics and other items. These meetings are led by Patrick Martin HQ Educational Technologist. Attendees include: Korea District Superintendent, Assistant Superintendent, District Educational Technologist, District Logistics Manager, Seoul American High School (SAHS) Principal, Assistant Principal, Educational Technologist, Administrative Technologist and Administrative Officer.

Korea District Level Meetings
Meetings are held bi-weekly to discuss logistical issues, technology issues and professional development. The meetings are led by the District Educational Technologist. Attendees include: Korea District Superintendent, Assistant Superintendent, District Supervisory Administrative Technologist, Logistics Manager, Educational Operations Manager, SAHS Principal, SAHS Assistant Principal, SAHS Administrative Technologist, SAHS Educational Technologist, and SAHS Administrative Officer. The meetings cover district/school specific issues and give the school a chance to dialog and create plans specific to the Korea District.

Steering Committee Meetings
Meetings began as bi-weekly but changed to monthly. They are led by the Area Educational Technologist Lori Dean. These meetings are held to discuss area wide issues and concerns in regards to the 1:1 laptop. Attendees include: Korea District Superintendent, Assistant Superintendent, District Educational Technologist, SAHS Principal, SAHS Assistant Principal, SAHS Educational Technologist.

Seoul Foreign School Visit
With the initial Korea District level meetings it was determined teachers from SAHS needed to see how a 1:1 laptop school looks. The District Educational technologist researched
international schools in Seoul which were 1:1 laptop schools. Seoul Foreign School (SFS) was chosen as a school to visit in order for teachers to see the daily workings of a school using laptops. SAHS teachers from each department were included for the visit, as were District level personnel, who visited the school for a day. The Seoul Foreign School Educational Technologist Coordinator, Paul Sanderson, gave an introductory presentation which talked about how the school developed their plan and implemented it. The presentation focused on Patrick Newell and his 21:21 website, a “Technology Integration Matrix” developed by University of South Florida, and research they shared from various international schools they visited. Teachers were invited to observe classrooms and talk to teachers about how they are implementing the laptops in their classes. The school operates as a “Bring Your Own Device” school (BYOD). Seoul Foreign focuses on curriculum driving the technology.

After the visit, the SFS technology staff was invited to share their information via VTC with other schools and districts around the Pacific. The Korea District Educational Technologist organized a day for SFS Educational Technologist Coordinator Paul Sanderson, Educational Technologist Integration Specialist Brian Hamm, Director of Information Technology Jeff Kerstig and Network Systems Manager Choong Pyo Hong to come to the Korea DSO and share their presentation with DSOs in Okinawa, Guam and Japan. Teachers, Superintendents and ISSs from DoDEA-Pacific were shown samples of lessons conducted in the classroom with a focus on Project Based Learning. Resources such as websites and videos were shared with those districts in attendance. Other districts adopted these sites and resources to use with the 1:1 schools and ISSs. The Japan District then engaged Tokyo International School based on the success of our visit to Seoul Foreign.

PROFESSIONAL DEVELOPMENT
After the initial laptop meetings for the Korea district it was determined that professional development needed to be well planned in order to be effective. Teachers needed to be presented ways to make a classroom cultural shift to a student centered model of teaching. The professional development for Seoul American High School was developed with a cross curricular theme. Teachers would be given demonstrations in software but also work within their departments to plan lessons and activities with colleagues. Groups were planned cross curricular so that math and science teachers would work together and English Language Arts and social studies would be together. The Korea District ISSs planned PD using four essential questions:

1. What role does technology play in providing multiple representations and opportunities for communication to help students develop deeper understanding in your curricular area?
2. How does technology influence your instructional decisions?
3. How can technology significantly increase access to your curricular area?
4. How are you thinking differently about your use of technology in learning within your curricular area?

Foreign language teachers work via VTC with Area ISS Paul Hernandez for their professional development.
The questions were derived from a resource shared between Pacific Area Math ISSs. The questions, although taken from a subject specific document, were rewritten to address all curricular areas.

Teachers were given a variety of direct instructions in various software available such as Word, One Note, Net Support and Excel. The teachers were divided up into groups and then given a rotation schedule. The afternoon sessions had teachers working with content district ISSs and area ISSs. Teachers were divided by content areas and then went to content based sessions led by ISSs. The district educational technologist coordinated with the Area ISSs so they could work with teachers in their content areas. The delivery for the virtual sessions was conducted by a variety of technologies including VTC, DCO and telephonic. Although no summative feedback was given, the ISSs received feedback through formative assessment via individual conversations with teachers.

Professional Development Dates
January 11 – Full Day
February 6 – Full Day
February 26 – PM
April 19 – PM
May 17 – PM

LAPTOP DISTRIBUTION

Students from Seoul American High who live at Camp Casey were thrilled to get their laptops at Casey Elementary.
The laptop distribution was conducted over a series of evening sessions beginning at 4 PM for the parents of Seoul American High School students to sign out laptops. The laptops were handed to students with parents present to sign off on the hand receipts. In addition, the SAHS Principal made the decision to transport laptops to USAG Casey as a convenience for those parents of SAHS students. This was well received by the parents and many were appreciative that the school made the effort to bring the laptops to them since the drive to Yongsan can take over two hours.

Laptops were distributed on the SAHS campus for a total of four nights and five days of makeup sessions. Parents came to the auditorium and the laptops were distributed in a series of stations. Stations were manned by school staff and district office personnel. The Korea District Senior leadership including the Superintendent and Assistant Superintendent were present each night. Falcon Tech Squad Students assisted each night with the process by handing out laptops.

### DISTRIBUTION TIMELINE

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Dec. 14</td>
<td>786 Laptops Acquire/Secured</td>
</tr>
<tr>
<td>Dec. 17-21</td>
<td>White Glove Team and SAHS AT image CPUs</td>
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<tr>
<td>Dec. 21</td>
<td>28 Laptops issued to Teachers</td>
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<tr>
<td>Jan. 9</td>
<td>39 Laptops Issued to Teachers</td>
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<tr>
<td>Jan. 25</td>
<td>786 Laptops Logged into to maintain internal computer account so computer can talk to the server</td>
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<tr>
<td>Feb. 7</td>
<td>Laptops Transported to USAG Casey for distribution to Casey parents. 67 distributed.</td>
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<tr>
<td>Feb. 8</td>
<td>Distribution at SAHS for Parents A-E. 104 laptops distributed.</td>
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<tr>
<td>Feb. 11</td>
<td>Distribution at SAHS for Parents F-M. 115 laptops distributed.</td>
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<tr>
<td>Feb. 12</td>
<td>Distribution at SAHS for Parents N-S. 114 laptops distributed.</td>
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<tr>
<td>Feb. 13</td>
<td>Distribution at SAHS for Parents T-Z. 105 laptops distributed.</td>
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<tr>
<td>Feb. 18-22</td>
<td>Make-up for Parents 83 laptops distributed.</td>
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Total Number of laptops distributed: 655

Student Laptops: 588
Faculty Laptops: 67

15 laptops remain in storage for students whose parents have not signed for the laptops. These are in addition to the laptops designated as loaners. The school has made every effort to have
these students assigned a laptop but they remain unclaimed due to parental decisions. These decisions have a variety of reasons but one of the chief reasons is the family will be PCSing soon and they do not want the added responsibility for the student. Another reason given is the student is a senior and does not want the responsibility for the rest of the school year.

SEOUl AMERICAN HIGH SCHOOL FALCON TECH SQUAD

The tech squad is a group of student volunteers who work with their peers on tech issues that may occur with their laptops. Falcon Tech students will man a help desk before school, during lunch and after school, provide training for teachers and students, create help files and maintain the falcon tech website. The website provides a workflow for laptop repairs, forms for students, and a discussion forum. The Falcon Tech students have been assisting the ET with troubleshooting any laptop issues.

CHALLENGES

Storage is an ongoing issue for SAHS. The school has very limited space available. Laptops were delivered and imaged on the Seoul American Middle School campus because of the space limitations at SAHS. As a result the SAHS Supply technician and SAHS AT were required to work from another school to get all the laptops inventoried and imaged. Once they were done the supply technician had to use a group of personnel from his office to move the computers to the Information Center (IC) at SAHS. Space was made for the laptops to be stored in two closets in the IC. The closets will be used to house loaner laptops and laptops over the summer.

Another storage issue was in the Physical Education Department (PE). The lockers used for PE classes were brought up as a concern because of their size. The concern was students would be trying to put too many items in the small lockers and the space would be a problem. The school decided to have special storage units purchased for the PE department. These would house the laptops only and be secured while students were in PE class or participating in an after school sport.

Wireless access points in the ROTC building were not able to connect with enough laptops at one time. The problem was brought to the Korea District Level meetings. The Assistant Superintendent pursued the issue with the IT Division. The IT Division sent several power blocks for the SAHS AT to be able to install additional access points. The wireless is now reaching all the devices.

The repair process has caused both the Educational Technologist and the Administrative Technologist to be overburdened with the repairs of laptops. Since ATs are not allowed to see students a process has to be put into place were a teacher (in this case the ET) checks the computer and then puts the service desk in. The student is then issued a loaner laptop. This is an ongoing issue which can sometimes take 20 minutes of working with a student. This is class time lost. It also prevents the ET from being able to work with other teachers and students.
SUCCESSES

One of the big successes with the laptop initiative is the amount of buy in from teachers. Many teachers who were initially hesitant about the laptops have been using them regularly with students. Technology savvy teachers are using them every day and have created paperless environments for their class. One chemistry teacher has developed her class to the point where students are using One Note software to foster student collaboration. She is also using it as a way for student to take notes and study for exams. With the help of the school Sharepoint server her class has become paperless. Each student has their own digital locker on her website for turning in work.

Professional Development conducted by the school ET, District ISSs and Area ISSs has created a collegiate atmosphere with teachers. Teachers feel empowered and are now going to begin designing their own PD based on their needs. ISSs will assist with and conduct sessions as needed.

The school has experienced many successes as outlined in this report and continues to see progress each day. The initiative has been a positive addition to Seoul American High School.
Students work collaboratively.

Students work on their chemistry labs with the laptops.