Lakeview Public Schools #2167

21st Century Laker Project

School Board Approval 5.20.13

21st Century Laker

District Goals 2013-2018:

1. Improve Student Achievement for All Students
2. Provide a 21st Century Education in a Technology Rich Environment
3. Implement Ongoing Job-Embedded Staff Development
4. Enhance School, Parent, and Community Collaboration
5. Promote and Maintain a Respectful, Caring, and Safe School Environment for All

21st Century Laker Vision Statement: The 21st Century Laker project will strengthen the 21st century skills of every Lakeview student in each content area, establish technological equity for all, enhance teacher pedagogy in a 21st century learning environment through integration training, increase student engagement in learning, and allow students to learn with technologies that they use on a daily basis.

21st Century Laker Goals:

1. Enhance student learning and achievement in all academic grade levels and content areas with an emphasis on developing the knowledge and skills needed for 21st Century success.
2. Provide greater access and equity to students and their families through this initiative.
3. Provide Lakeview staff with the necessary tools and training to instruct in a 21st century digital learning environment.
4. This initiative will empower parents and guardians with more tools to become more involved in their child's education.
5. To institute and support best practice in technology integration.

Why should the 21st Century Laker Project be considered now?

- Provide 21st century tools and resources for our students
- Teacher integration training over the past couple of years would allow a nice integration into current curriculum
- All students would have access to equal technologies
- Teachers have had I-pads for two school years with access to an integrationist
- Elementary Classrooms all have pods of I-pads in them
- Mobile Cart of I-pads
- As a district, we already have 190 I-pads
- We are ready to move forward

What does the early research in 1 to 1 initiatives show:

- Provides students greater access to resources, information, and up-to-date content
- Higher student motivation and engagement
- Student are more organized
- Increased student attendance at school
- High levels of self-directed learning
- Greater collaboration of not only students, but staff as well
- Improved communication between home and school
- Many schools have reported high student achievement scores on state tests

What has occurred at Lakeview to ready us for the 21st Century Laker Project?

- 2009-10 – Establishment of Professional Learning Communities which has allowed a dedicated time for staff to meet and work on district initiatives.
- 2010-11 – Site visits to Becker and Little Falls and research of various implementations, new mobile netbook lab.
- 2011-12 – 30 of 48 teaching staff receive an I-pad through an application process, improved infrastructure, added technology integration specialist for staff and their professional development, apple training day for teachers in March 2012, summer technology boot-camp for staff.
- 2012-13 – Remainder of teaching staff receive an I-pad, continued training with integration specialist, replaced and enhanced wireless infrastructure, increased band width with LCTN, Pods of I-pads in all elementary and special education classrooms,

mobile lab of I-pads for portable use, new webpage system would work well with tablets, new student information system would work well with tablets. All teachers received Google Docs training in March of 2013.

What are the main components of the 21st Century Laker Project?

2013-14:

1. The following would occur for students in grades 9-12 upon completing mandatory requirements;
   a. Each student in grades 9-12 would receive a district owned newest generation I-pad to support the vision and goals of the 21st Century Laker Project.
2. Grade level bands of PreK-3, 4-6, and 7-8 will have access to one mobile cart of Ipads to use between classrooms on a daily basis to support the vision and goals of the 21st Century Laker Project.
3. Consistent and continuous high quality staff development, training, and support to improve instructional methodologies in integration of this technology into a 21st century digital learning environment.

2014-15:
1. Students in grades 7-8 would receive a district owned newest generation Ipad to support the vision and goals of the 21st Century Laker Project dependent on district funds and finances.
2. Grade levels PreK-K, 1-2, 3-4, 5, and 6 will have access to one mobile cart of Ipads to use on a daily basis to support the vision and goals of the 21st Century Laker Project dependent on district funds and finances.
3. Consistent and continuous high quality staff development, training, and support to improve instructional methodologies in integration of this technology into a 21st century digital learning environment.

2015-16:
1. Students in grades 5-6 would receive a district owned Ipad to support the vision and goals of the 21st Century Laker Project dependent on district funds and finances.
2. Each grade level of Pre-K, K, 1, 2, 3, and 4 will have access to one mobile cart of Ipads to use on a daily basis to support the vision and goals of the 21st Century Laker Project dependent on district funds and finances.

3. Consistent and continuous high quality staff development, training, and support to improve instructional methodologies in integration of this technology into a 21st century digital learning environment.

What about the device?

The following information is taken from the email publication "Dangerously Irrelevant";

Laptops. iPads (or other tablet devices). Chromebooks. Maybe even netbooks or ultrabooks… As more schools and districts move toward 1:1 computing, one of the most common questions is 'What device should we get for our students?' The typical response is another question: 'Well, what do you want your students to do?' I wonder, though, if that's the wrong question…

Here's a short list of what most educators want their students to be able to do with a computing device:

- Access information on the Web

- Make and store files

- Stay organized

- Read electronic books, textbooks, magazines, newspapers, etc.

- Utilize office productivity tools (word processing, spreadsheets, presentations, etc.)

- Use course management systems (Blackboard, Moodle, Canvas, etc.)

- Communicate, connect, and share (email, blogs, Twitter, Edmodo, videoconferencing, etc.)

- Look at and listen to multimedia (music, podcasts, videos, photos, screencasts, etc.)

- Create and edit multimedia

- Curate learning resources

- Play learning games and engage in simulations

- Participate in online courses

- Use a variety of other online tools, services, social media, and cloud-based environments

- And, perhaps, customize their learning experience with apps

I would venture to say that this brief list covers 95% or so of what educators want students to do. Guess what? ***All of the devices in the first paragraph let students do these.***

Now, granted, some specialized software programs might be needed for particular students and/or purposes. A few high-end laptops or desktops floating around – or perhaps a specialized computer and/or maker lab – probably will suffice in most instances. Mainstream purchasing decisions likely won't hinge on the exceptions anyway. As more tools move to the cloud – and as the basic capabilities of computing devices overlap substantially – considerations like price and form factor (e.g., tablet v. having a keyboard; do you need a forward-facing camera?) rise closer to the fore. Some mass configuration/setup issues also may be worth considering.

Since numerous devices now satisfy the demands listed above, we're making decisions at the margins, not the core. In this kind of environment, perhaps the better question when considering what to purchase is '***If we buy this device for students, what will they NOT be able to do that we and they will wish they could?***'

Why the Ipad?

1. Laptops too costly for 1 to 1 initiative
2. Netbooks more costly than I-pad, battery life not as good, would require plug ins for classrooms etc.
3. Other tablets are still emerging like the surface, nexus, etc. I-pad is rated higher for educational purposes.
4. User friendly and many students are very familiar with the Apple interface from having I-pod touches and I-phones.
5. Can be managed remotely by a system like Casper – doesn't require tech staff to work with each Ipad individually
6. Staff have had them for 1-2 school years and have been trained with them
7. The I-pad has:
   a. Good pricing options
   b. Fast accessibility
   c. Daily battery life for the entire school day
   d. Multiple educational application available
   e. Access of multiple media types
   f. Fast contectivity to internet & email
   g. Many neighboring districts using I-pads makes collaboration and sharing of ideas easier and more applicable
   h. Less susceptibility to viruses, malware, spyware

How will the 21st Century Laker Project be evaluated?

1. Assessment data will be collected annually and compared to previous years for trend analysis.
2. Student survey data – created and collected by technology committee.
3. Staff survey data – created and collected by the technology committee.
4. Annual evaluation of movement along the MILE guide by the technology committee.