

iPad Pilot Fact Sheet

What is 1-to-1 personalized learning?

- The tailoring of teaching and learning to the needs of the individual student. The essential elements to create an effective personalized learning environment for all students are:
 1. Flexible learning (anytime/anywhere)
 2. Redefine teachers' roles and expand "teacher"
 3. Project-based, authentic learning
 4. Student-driven learning path
 5. Mastery/competency-based progression/pace
- In a 1-to1 Personalized Teaching and Learning environment, each participating student is provided access to a personal computing device on a direct and continuous basis throughout the school day, and beyond, if possible. 1-to-1 computing simply means: anytime, anywhere technology for every student. Devices can be tailored to individual needs allowing each student more control over his/her learning.

Why iPads?

1. Low cost, high quality, durable device
2. Light weight (1.3 pounds)
3. Very easy to use
4. Low maintenance/tech support costs
5. Long battery life (10 hours)
6. Speed (instant start-up)
7. Visual and interactive; engages learners
8. Access to thousands of educational apps (no expensive software to install)
9. Powerful new apps are being created every day that are redefining how information is accessed and exchanged
10. Allows access to all media types (video, epub, podcasts, photos, audio clips)
11. Allows all students to have access to their own leveled books at all times, without having to wait for books to come back in to the library
12. Electronic books and textbooks don't get lost

Top 13 Ways iPads are Used in the Classroom

1. Differentiating instruction
2. Project-based learning and supporting the curriculum through the use of iPads in a 1-to-1 environment
3. Internet access for student research and projects
4. Student collaboration using online tools (wikis, blogs)
5. Can be used as a student response system (virtual clickers) for immediate feedback and assessment
6. Student ePortfolios (collection of student work)
7. Instructional apps to support the state standards (teacher-guided)
8. Instructional apps for self-directed learning (21st Century skills)
9. Student productivity, note-taking and writing
10. Access to literacy (e-books, e-textbooks, district-purchased databases)
11. Can be used as a graphing calculator at little or no additional cost
12. Can be used as a tablet for at little or no additional cost
13. Can be personalized (accessibility) for all types of learners at little or no additional cost

Examples of Differentiated Instruction using the iPad in the Classroom

Literacy

- Providing students with leveled reading material. For example, some students may be reading on grade level, while others are above or below. The iPad provides an affordable and efficient way to distribute a variety of books to students based on individual needs and interests.

Math

- Providing students with leveled Everyday Math Apps. For example, if students are working on fractions, they can select the easy, medium or hard option. This provides three different levels while still covering the same standard

Science

- Providing learning opportunities beyond lecture-style. For example, after a teacher delivers direct instruction on force and motion, he/she provides a problem for students to solve, such as designing a roller coaster. Students conduct further research, work in small groups to design their own roller coasters, use apps to analyze and discuss their solutions and designs.

Social Studies

- Providing content in a way that meets visual, auditory, kinesthetic learners. For example, students are assigned a project in which they create a product that demonstrates their knowledge of the Civil War. With the iPad, they have access to a variety of resources for conducting research, such as virtual field trips to plantations, walking the streets of Charleston as a Civil War soldier would have, reading an reference book or news article, listening to a podcast by a Civil War story teller.

Let's have a little competition at school and get ready for the future. I will use an iPad and you will use paper and pencil. Are you ready...?

I will access up-to-date information - you have a textbook that is 5 years old.

I will immediately know when I misspell a word – you have to wait until it's graded.

I will learn how to care for technology by using it – you will read about it.

I will see math problems in 3D – you will do the odd problems.

I will create artwork and poetry and share it with the world – you will share yours with the class.

I will have 24/7 access – you have the entire class period.

I will access the most dynamic information – yours will be printed and photocopied.

I will communicate with leaders and experts using email – you will wait for Friday's speaker.

I will select my learning style – you will use the teacher's favorite learning style.

I will collaborate with my peers from around the world – you will collaborate with peers in your classroom.

I will take my learning as far as I want – you must wait for the rest of the class.

The cost of an iPad per year? - \$159

The cost of well educated US citizens and workforce? - Priceless