Managing the 1-1 classroom

DID YOU KNOW?

Quick!

What can be the most challenging part of classroom teaching?

Did you say (or think) CLASSROOM MANAGEMENT - ?

Chances are, the managing of a classroom was in your top 3 answers to that question…

and that might be in an “ORDINARY” or “TRADITIONAL” classroom!

So now you are managing and teaching sometimes up to 30 students, all with individual learning styles and needs, and maintaining a classroom environment conducive to excellent teaching….

...Now you must help them to use technology tools in a way that enhance learning and creativity and maximize their time on tasks in the classroom AT ALL TIME!!

WHEW!!!

Why one-to-one classrooms?

Increases achievement

Using computers and technology may impact a student’s achievement.

Increases student engagement

Attendance and student interest improves in classrooms using one-to-one technology -- Obviously, a present and engaged student is a great type of student to have! -

Why 1-1 classroom?

It Complements project-based learning classrooms

One-to-one technology is at its best in classrooms in which learning is driven by projects requiring research, collaboration, and production of a final product (a slide show, video, or Web page).

It Broadens learning beyond the classroom

Time and distance no longer create barriers when students can access the world around them in an instant.

High school students can see news unfold on their laptops.

Elementary students can view locations around the world on a Web cam and get real-time local data.

Middle school students can e-mail a nuclear physicist to clarify questions raised during science class.

Why 1-1 classroom?

It Takes advantage of the teachable moment

In a one-to-one computing classroom, a topic arises and teacher and students immediately are online, investigating, questioning, and extending the conversation with information and tools available instantly.

Prepares for tomorrow's workplace

When a student's only exposure to a computer is in a lab at the end of the hall used a couple times a week, technology can be seen as a fragmented skill unrelated to daily life or a future career. Computers, however, as we know, are essential for almost any job -- doctors record patient notes on Tablet PCs; small businesses order supplies online; farmers check the Internet for the latest weather conditions. One-to-one computing ensures that all students have the skills and confidence to integrate technology into their present and future.

what does “the research” show?

Increased quality and quantity in writing

Some preliminary studies suggest that students not only write more, but write better, when using laptops rather than pen and paper.

Greater student collaboration

the Center for Applied Research in Education Technoloby (CARET) suggests that students improve interpersonal abilities and teamwork skills through collaboration using laptops and handhelds.

what are we expected to teach our students through 21st Century technology / 1-1 schools

Current trends in state and national technology standards:

- Information and Communication Processes and Tools
- Information Literacy and Decision Making
- Social Interactions
- Creativity and Innovation
- Technology Operations
- Digital Citizenship
- Critical Thinking
- Research and Information
- Communication and Collaboration

what are we expected to teach our students through 21st Century technology / 1-1 schools

- Life and Career Skills
- Learning and Innovation Skills (Creativity and Innovation; Critical Thinking and Problem Solving; Communication and Collaboration)
- Information, Media, and Technology Skills (Information Literacy, Media Literacy, ICT Literacy)
- Core Subjects and 21st Century Themes

what are we expected to teach our students through 21st Century technology / 1-1 schools

Digital Age Literacy:

- Basic scientific, mathematical, and technological literacies
- Visual and information literacies
- Cultural literacy and global awareness

Inventive Thinking:

- Adaptability and ability to manage complexity
- Curiosity, creativity, and risk-taking
- Higher-order thinking and sound reasoning

what are we expected to teach our students through 21st Century technology / 1-1 schools

Effective Communication:

- Teaming, collaboration, and interpersonal skills
- personal and social responsibility

Interactive communication

- Ability to prioritize, plan, and manage for results
- Effective use of real-world tools
- Relevant, high quality products

1-1 classrooms

“The key to good classroom management in a one to one school is acknowledging that there is no "magic button" technology solution that will ensure laptops are used appropriately. Traditional discipline is only one part of the puzzle. Effective instruction is even more important.” (Irving Independent School District)

Managing the 1-1 Classroom

- 1-1 does not translate into 24-7
- don’t assume students are experts at computers / technology
- it may be overwhelming for students Sometimes the information is “too much”...Take the time to teach your students how to use the technology, evaluate web content, and demonstrate good digital citizenship. Students have access to a constant stream of information --- a teacher might have to plan ahead and restrict students to “approved” sites to use. **MANAGE CONTENT**
- have a back-up plan So technology is great… when it works! It is frustrating when your lesson hinges on the technology working properly.

Ask yourself: “What is our purpose for the device in my lesson today?”

“Computer technology alone does not improve student learning. It is how a teacher and his or her students use these tools that make technology a game-changer or a hindrance.” Erin Macpherson

be clear on your purpose for the technology for every class, every lesson: (Students will use __technology to _____) research, creating a presentation, online practice...

- The teacher is (still) the facilitator!
- Don’t forget to leave time for student interactions, comments, questioning…
- Communicate with your technology (help) department

Things to consider

- Set up of room (is your room set up conducive to student collaboration? Can you see all the computers? Are you able to walk around in order to monitor the students?)
- Lesson plans
- Pick your battles

What are some other things to consider?

TEACH THE RULES, PRACTICE THE RULES, FOLLOW THE RULES

- What are your procedures? Are these procedures clear to your students and are they practiced?
- Ground rules and safe practices when using computers / technology tools should be taught and practiced

Expectations - start of class

- What supplies should be out?
- What is the bell ringer activity

Give students clear goals for work needing to be completed (help students stay focused, as Techonolgy is distracting for some students)

Expectations - class time

- Teacher instruction
  - no headphones
  - computers shut/ipads put to sleep
- Large class discussion
  - no headphones
  - computers shut/ipads put to sleep
- Small group work time
  - no headphones
  - teacher cue for if devices are needed
- Individual work time
  - teacher cue for if devices and headphones are needed

Expectations - “Early finishers”

- extensions
- specific websites/games - have a listing of websites/ games that focus on specific skills that students can go to if they finish early
- read a book
- approved by teacher sites brain games? puzzles, games

Communicating Expectations

- Teach expectations early and teach them often
- How do students know if they should have their device out?
- Ideas
  - Teach expectations for each type of instruction
  - Red/green cards
- When is it acceptable to have headphones in?
- Youtube - is not open to allow for music streaming/ playing

Ideas for problems

- Ideas for any platform
  - disable email account
  - check-in/check-out
- Ipad ideas
  - Guided access
- Macbook ideas
- Device taken away

Misc.

What can I do if I suspect a student has been on a website they shouldn’t be on?
Check the history!
When should I refer a problem to the office?
Free-time / Game-time???

Additional resources

- Teacher interviews: http://www.irvingisd.net/one2one/classroom_management/cm_interviews.htm
- 5 best practices http://www2.classbook.com/blog/5-best-practices-for-managing-a-11-ipad-classroom