

1X1 BEST PRACTICES KEY CONCEPTS IN PLANNING

1X1 COMPUTING: KEY CONCEPTS IN PLANNING

Like any large-scale project, implementing a 1x1 Computing initiative requires plenty of long-range planning. Dell can be there to help every step of the way. To get you started, we've included a few quick pointers that we've found helpful over the years. Again, it's only a brief checklist, but it can give you a good idea what it takes to help a 1x1 Computing program succeed.

1. Identify your leaders from the start
2. Assess how this initiative will fit into your overall education and technology strategy
3. Assess the health and challenges of your infrastructure and network access, set policies
4. Establish your initial funding and determine ways to sustain ongoing funding
5. Plan how you will access and manage digital content and curriculum
6. Address security issues, including physical threats, network weaknesses, and plans for disaster recovery and backup
7. Plan for program deployment to ensure a smooth start
8. Provide training to teachers and students
9. Establish service and technical support to keep your program running successfully
10. Define your measurements for success and provide a means for reporting
11. Involve the community by tying success to their involvement

One of the most critical steps in any 1x1 Computing initiative is to clearly articulate your goals. It's important to ask yourself: What do we really want to accomplish? Once you've defined success for you and your district, next focus on making it happen. Take a moment to think about the impact a 1x1 initiative will have. While a program can affect many aspects of your educational environment, four of the most critical areas to consider are:

INSTRUCTIONAL ENVIRONMENT

Instructional environment, teaching models and learning environments. Think about how a 1x1 Initiative can change teaching and learning in the classroom and beyond. Will lesson planning be different? Will the demands on students change? How will the climate of the classroom change? Will group or team-based work become more prevalent? It's important to set concrete educational goals for your program, then use the new technology to bring them to life.



TO LEARN MORE, CONTACT YOUR DEDICATED DELL REP
AT 866-652-0165 OR VISIT DELL.COM/K12

1X1 BEST PRACTICES

ONGOING PROFESSIONAL DEVELOPMENT

Think about your most critical asset: your teachers. At this stage, it's a good idea to assess teacher readiness and comfort level with any new technology. It's likely you will have a mix of skill levels, so be prepared to service all levels of proficiency. Once you've evaluated your needs, plan a way to provide anytime/anywhere support.

Create an overall learning plan, then find the most effective way to deliver the information. Here, you have many options, including workshops, online training, study groups, mentoring/coaching, and remote support from an outside source. We also suggest "Care and Feeding" classes for both students and parents, to ensure they'll get the most out of any new technology you implement. And, of course, follow up afterwards. Find out what's working, and what's not, and adjust accordingly.

INFRASTRUCTURE CAPABILITIES

No detail is too small, so take a comprehensive look at your existing infrastructure. Important questions include:

- Can our network support the huge increase in the number of users and applications?
- Can we effectively provide internet access at school, in the home, and in the community?
- Do we have staff with the right skills in place?
- Does our partner have services to augment our capabilities?
- Have we considered security for the district, the school, and the student?
- Can we deliver the curriculum we need to make this initiative successful?

Then think about your data center. Evaluate your network switches, servers, storage, web portals, and applications. Do you have what you need for today? For the next few years?

ADEQUATE FUNDING

For most schools, funding is the single biggest concern to address. In the past two decades, we've found eight best practices in funding that can help you achieve your goals.

- Lease or purchase hardware with 3 to 5 year renewal cycles
- Consider reassigning funding from traditional instructional materials or textbook budgets
- In new buildings, include technology plans in your capital outlay budgets
- Establish a "technology innovation fund" to manage carry-over dollars from one fiscal year to the next

Most importantly, build sustainable funding plans for multiple-year, on-going support.



TO LEARN MORE, CONTACT YOUR DEDICATED DELL REP
AT 866-652-0165 OR VISIT DELL.COM/K12