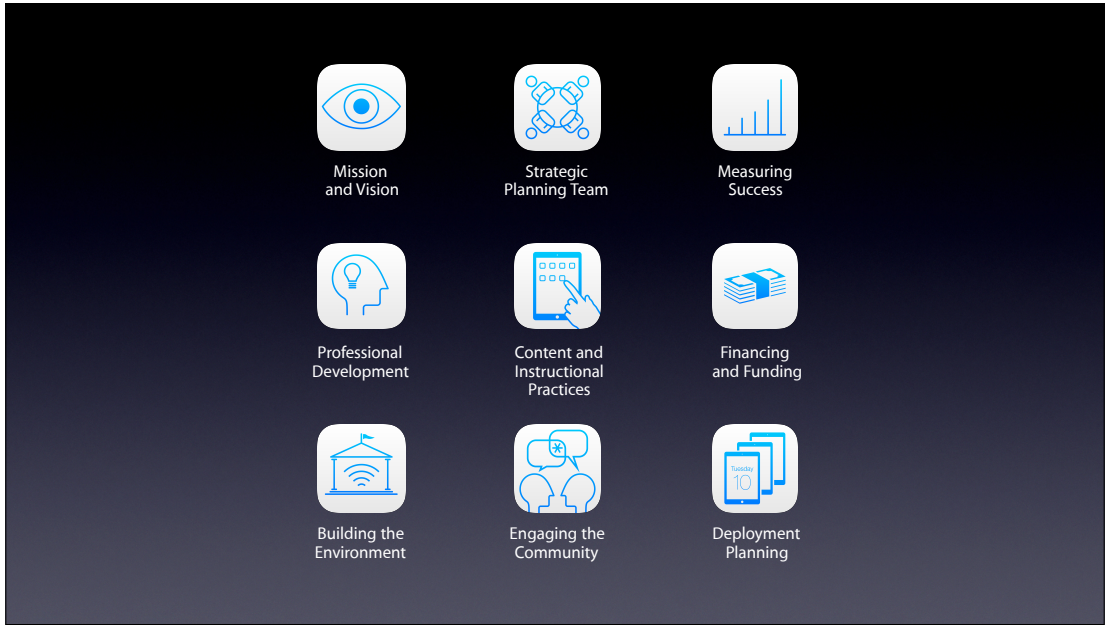
Using the Framework

The Framework is a guide, not a checklist—each of the nine elements requires careful attention in the planning stages and needs maintenance along the way.

For each element, we help identify stakeholders to engage, key questions to consider, and examples you can use to inform your own planning.

Even though I may walk you through the nine elements sequentially, the Framework isn't linear. Some elements will have to be addressed sooner than others, but you'll likely work on several elements at the same time and change priorities depending on where you are in the process.

It's important to understand that the work is never really done. The Framework gives you a guide to track and maintain the health of the environment, once it is established.



NOTE TO PRESENTER

You can pause on this slide for customers to see whole framework together after the introduction sequence. This leads to the next slide that focuses on three key elements.

Mission and Vision

Your vision needs to answer why: Why does a one-to-one learning environment matter for your students? It should be about learning, and it should support the mission that drives your school.

Learning, Not Technology

The most fundamental task in the Framework is to create a vision for the initiative. The vision should support your institution's core mission and strategic plan, and address
the question "Why are we doing this?" The answer should be primarily about improving student learning—not implementing technology. Stakeholders are more apt to embrace an initiative if they understand the goals, how these tie to your mission, and how they can help you get there.

Setting Goals

Once you've established the vision, you'll want to set measurable goals. These goals
not only help clarify your vision, but also provide the framework for how success will
be gauged. Goals should be ambitious but attainable, and they should encourage responsible risk-taking.

Strategic Planning Team

Assemble a diverse team that represents the various roles required to plan, implement, and lead the initiative. They should be influencers, not just innovators, who can model the change. You will need to form a team that includes staff from each key area of your community.

This strategic planning team should set goals and benchmarks for the program, articulate the division of responsibilities, and develop a decision-making process. It can be helpful to assign someone to oversee the team, help develop protocols for working together, and encourage collaboration. Because the initiative is primarily driven by curricular and instructional goals, the team should focus on these objectives, with technology as a means to accomplish them.

Team members should have varying areas of expertise and be chosen for their abilities to contribute, lead, and collaborate. They should be influencers, not just innovators, who can model the change. Sometimes, the most resistant community members can be the best proponents for change. Each team member will be responsible for executing device and content decisions, logistical rollout preparation, infrastructure and other technical needs, and managing teacher training/professional development. This team will also create a sustainable funding plan and a plan for communicating with the community and

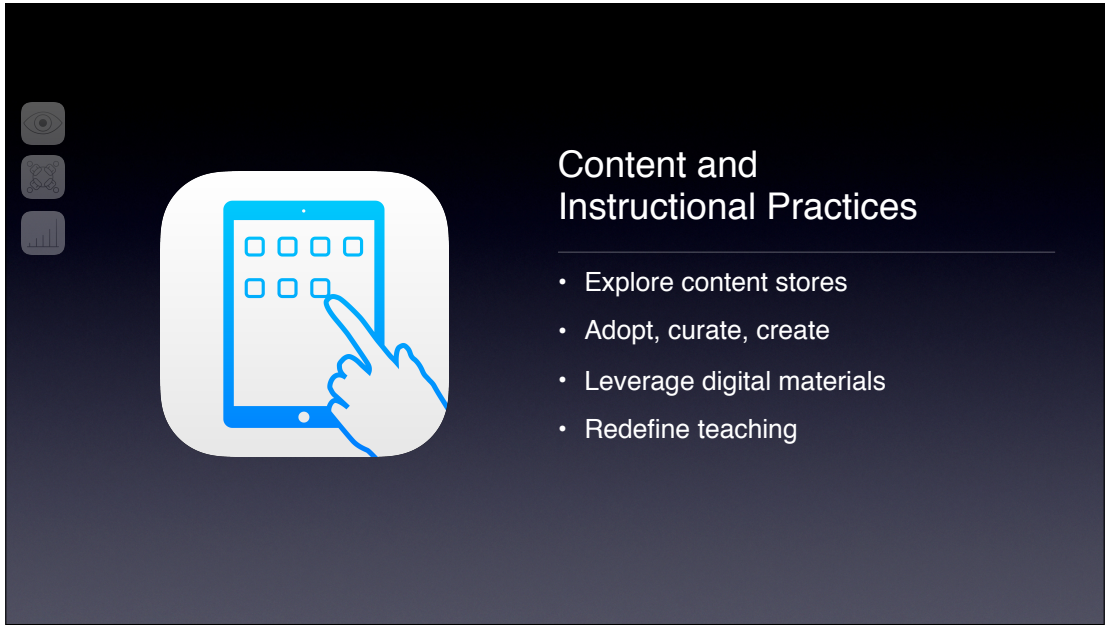
Measuring Success

Once you have your vision and goals established, it's helpful to imagine what these will actually look like in practice. Imagine walking into a classroom in your school 6 months, 1 year, 3 years from now. What will you see? What will students be doing? How will teachers be teaching? What role will Apple technology and ecosystem play in all of this? How will you measure progress towards this learning environment?

You will want to document the evolution of your learning environment. Documenting and assessing the initiative helps you understand what's working, engage the community, and secure funding.

Early on, define what changes you want to see in teaching and learning as a result of your initiative, and how you will measure them. These focus areas should flow directly from the vision. Defining these areas and measurement methods from the onset allows for consistency over time. Collect data before students and teachers receive devices to set a baseline for the initiative.

To begin, look at data you already collect—test scores, attendance, retention, behaviour reports, reading proficiency, progression—to see if these address some of your goals. Leverage routines you have in place, such as classroom



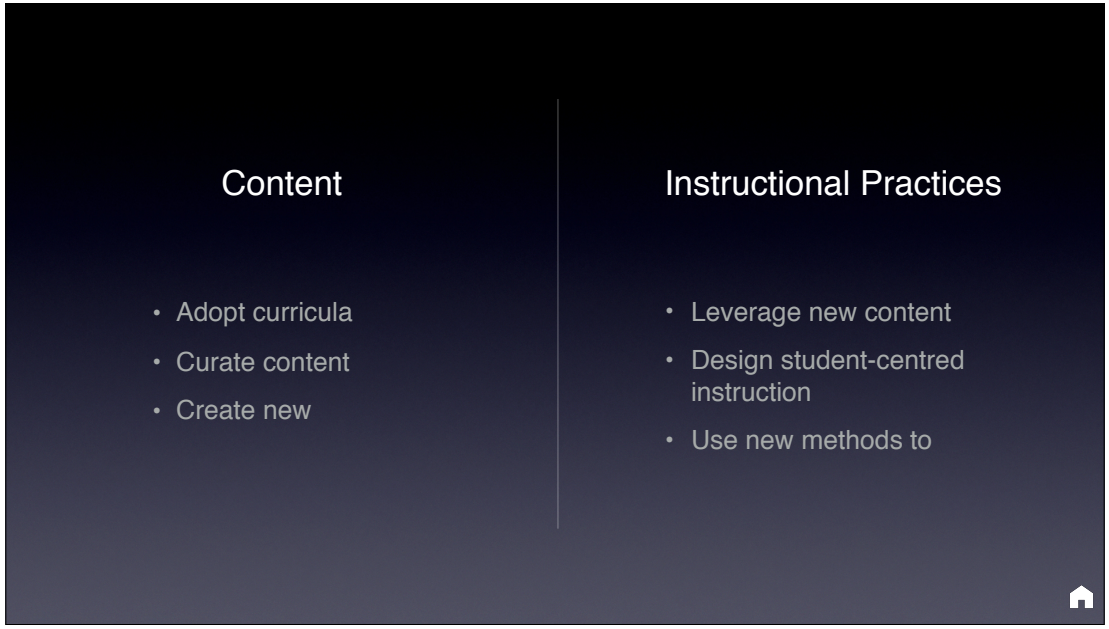
Content and Instructional Practices

The vast and dynamic ecosystem of digital content for iPad and Mac can inspire new ways to teach—and learn.

The digital content landscape for education is expanding. You'll want to find solutions that align to your school's mission and create new opportunities for teachers and students. Teachers can leverage this digital universe in classrooms, lecture halls, and beyond to inspire and empower their students.

The Apple ecosystem is unique in supporting a wide range of teaching styles and digital content use. Institutions can
- adopt major, branded curricula
- curate material for curricula
- create their own materials and curricula

Turnkey solutions allow you to start using digital curricula immediately, while iTunes U and other content collections and tools offer options for customising the learning experience.



Content and Instructional Practices

NOTE TO PRESENTER

This slide is a reminder to place emphasis on both parts of this element. We have a very strong content story, and great, innovative teaching is necessary to leverage the universe of dynamic content.

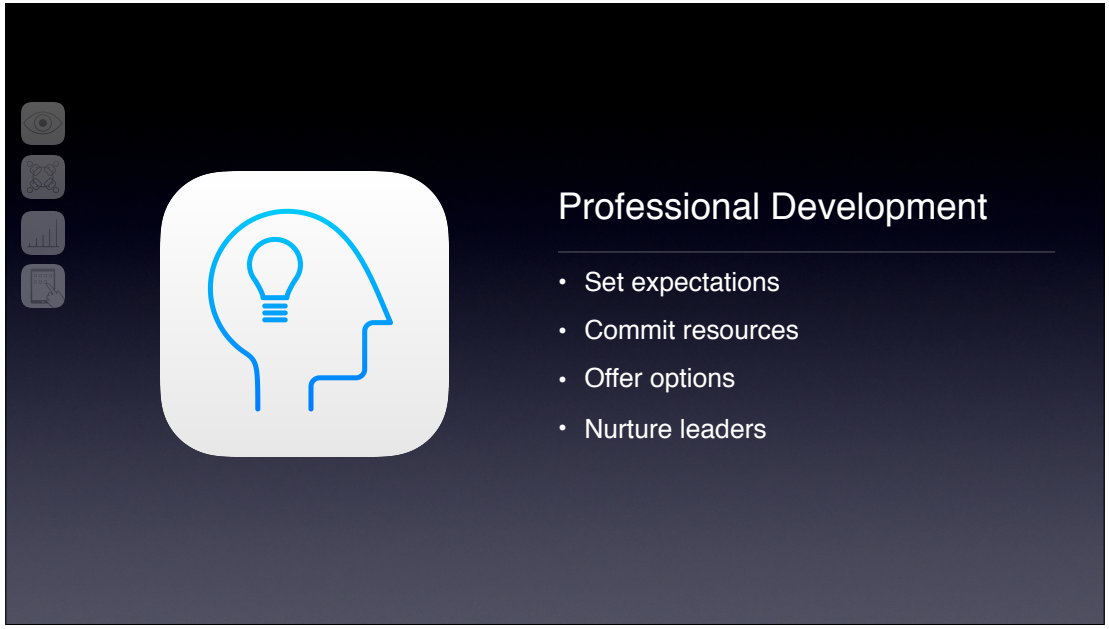
Content

Content options: App Store, iBooks, iTunes

How schools can bring content in: Adopt, Curate, Create

Instructional Practices

Using iTunes U, using content well, student-centred classrooms, giving student choices



Professional Development

Relevant, engaging, and ongoing professional development is essential for a transformative one-to-one learning environment. A clear plan will assure teachers you are committed to their professional growth.
Professional development works best when teachers are engaged even before the devices are in their hands. Soon after your leadership team has communicated the vision, faculty should understand and articulate it as well. Consider building in time and funding for professional development during the early planning stages, and set clear expectations about the goals you have for instruction.

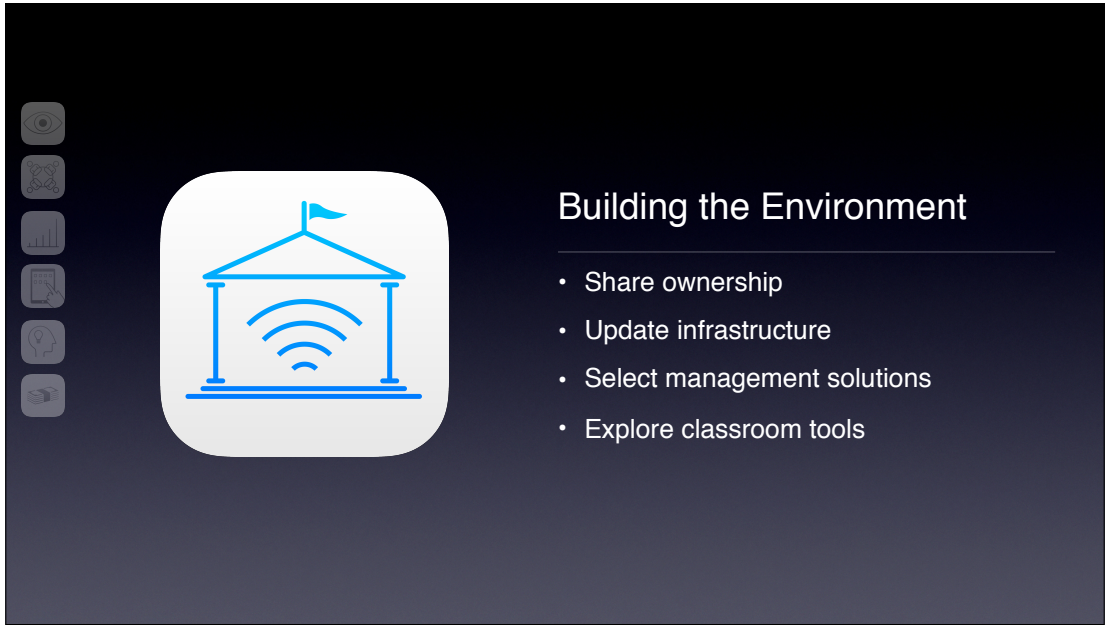
Think about how professional development can be delivered formally—with structured, regular sessions—as well as in informal settings, using mentors, team teachers, digital forums, and/or observations. Professional development is most effective when it's personalised and participatory.
Teachers learn differently, just as students do. Make sure as you think about transformative learning experiences for your students, you are thinking about professional development opportunities in the same way. How can you get your teachers excited about learning?

Financing and Funding

Identify the expected costs and possible savings. Find a way to make the ongoing costs associated with your one-to-one environment part of the annual budget, and not a one-time or add-on expense.

You'll need to know how you are going to fund your initiative. Discuss the total cost in the early planning stages. Create a plan for sustained funding, and explore cost savings (such as computer labs, consumables and textbooks, hardware peripherals, print services, and intervention costs).

Some options you can consider to help fund the initiative include:
Financing through Apple Financial Services can be a convenient solution for schools that want to expand the immediate impact of their budget or ensure that they always have the latest equipment and devices.
Explore other creative sources, such as grants, fundraisers, and partnerships with local businesses or companies.
Parent Purchase programs may be able to help fund part or the entire cost of the device or content such as apps and textbooks.



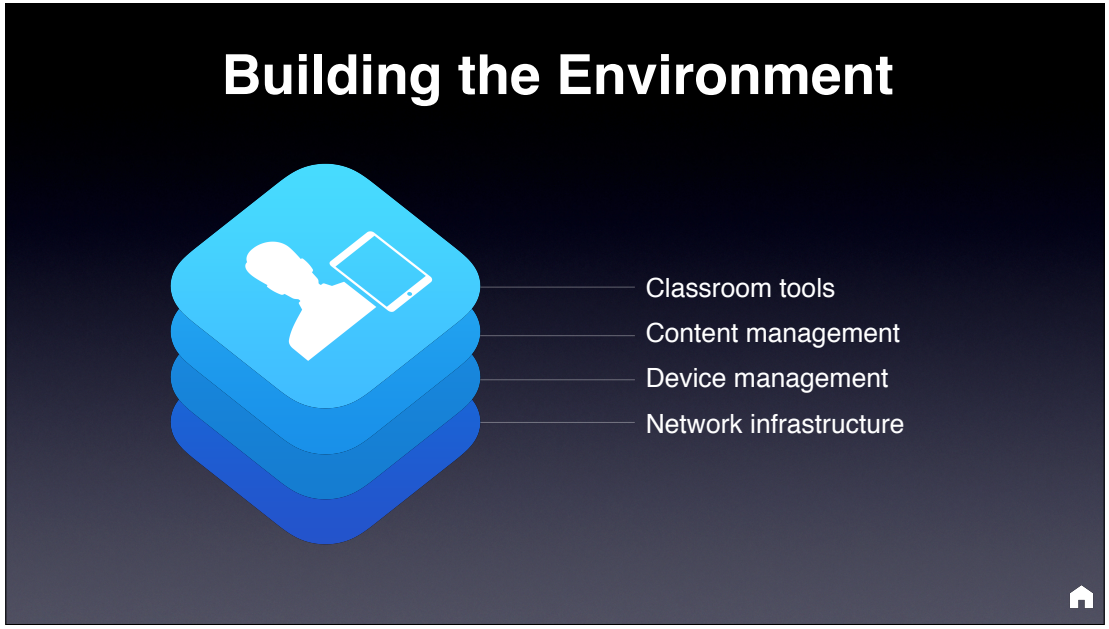
Building the Environment

Leadership, technology specialists, and educators must team up to create an environment where students are inspired to learn. Infrastructure, device and content management systems, classroom tools, and physical spaces together influence the student experience.

Articulating your vision for the student experience will help guide the decisions you make. When students walk into school or a classroom, the environment you design influences the quality of their learning experience. An environment that supports teaching and learning includes infrastructure, management systems, workflow solutions, and physical spaces.

This is much more than a technology conversation, although technical expertise is vital for deploying devices and managing your infrastructure. Key stakeholders and leadership on this team need to understand how the technical requirements and learning goals can be woven together to make the best possible environment for learning.

In a typical institution-owned one-to-one deployment, your institution purchases devices for all eligible students and teachers. This could be for a particular year level, a department, or across the institution. Each user is assigned a device that's



Building the Environment

You might be thinking…

- How do we support the learning environments most suited for our school or institution?
- What does it take to build that student experience?

We can break it into four building blocks and show you how to build a thriving environment.

Start with Network Infrastructure
Infrastructure is the foundation that users and devices will depend on.
A great wifi network and infrastructure is key to any mobile environment.

Device Management
Second, institutions need a system for centrally managing devices/users.

Content Management

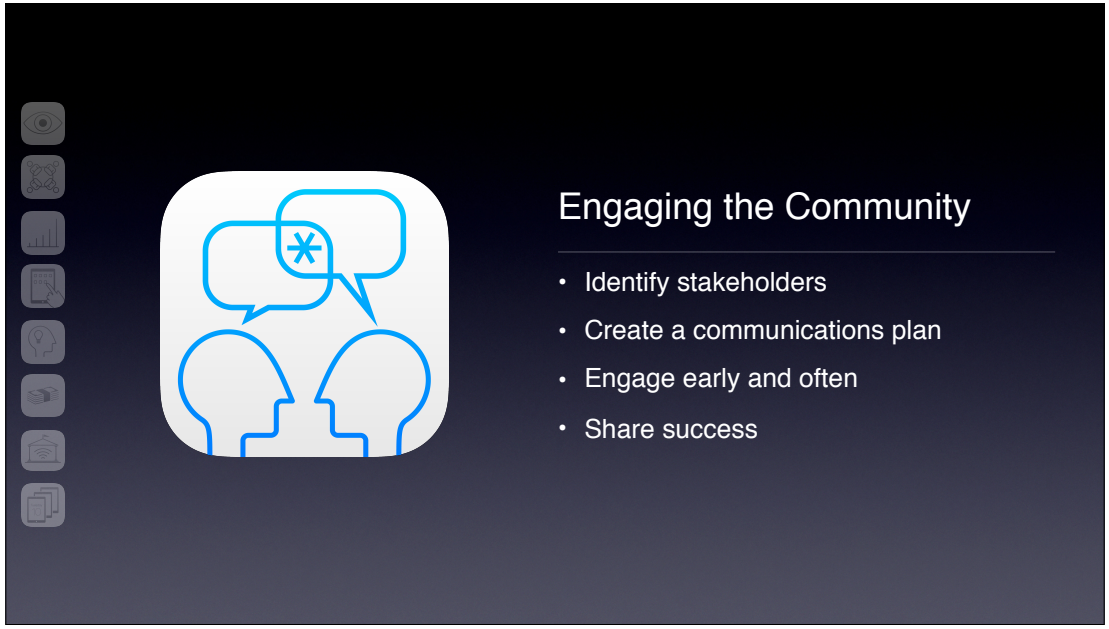
Deployment Planning

Plan your rollout with scale in mind right from the start. Consider the time, training, and support you'll need to create a comprehensive and proactive deployment plan.

The vision for your environment determines the type and scope of your deployment. Your deployment timeline is dependent on teacher readiness, existing infrastructure, available funding, and the level of available support and professional development.

Consider how you'll design your rollout: at once or in phases. If you choose to deploy in phases, envision from the outset what expanding the program might—and should—look like both academically and technically. If you will deploy all at once, have a strategy for bringing everyone on board and preparing faculty and students as quickly as possible.

With either deployment model, you'll want to roll out devices and content to faculty before students get them. They need time to experiment and plan—individually and in teams—for how to integrate them into their lessons. In iPad environments, Mac is still a critical component for content creation and device management—you'll want to deploy Mac to faculty at the same time as your iPad rollout.



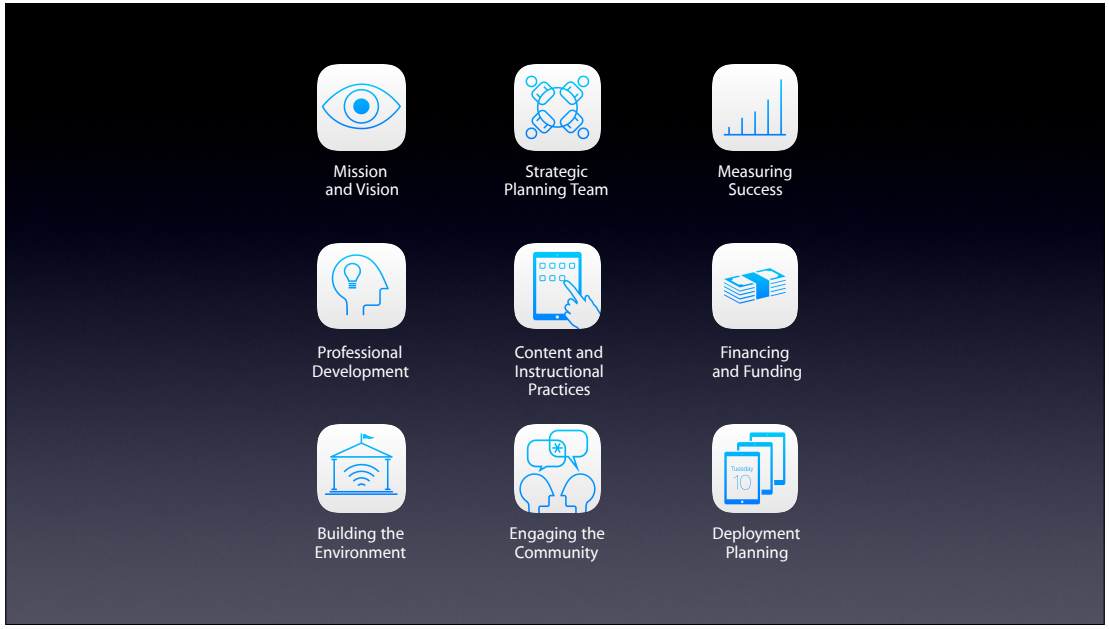
Engaging the Community

Communicate with key stakeholders early and often. You want everyone to understand why you are creating a one-to-one environment and how it impacts learning.

With a rallying vision for your one-to-one initiative that supports your school's mission, you can begin to define expectations for students, teachers, the school board, parents, and the extended community. Consider creating a strategy for each key stakeholder. Get them engaged early—and keep them engaged. The goal is to maintain excitement, buy-in, and involvement.

Remember that ongoing community support is critical to the success of your initiative. Celebrate that success regularly by sharing student progress, teacher innovations, outcomes data, and other concrete examples of enhanced learning.

Engaging the community is a way to maintain support and transparency as your initiative progresses and as your culture evolves.



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Three elements to frame the initiative

Sometimes a good place to start (or confirm that you have clarity around this work) is with these three elements—Mission and Vision, Measuring Success, Engaging the Community.

It's important that your leadership team and community have clarity about the environment you're creating and why you're doing it. These three elements define why you are creating this new environment, confirm that sure your goals are concrete and measurable, and set expectations for the community.

The Why—your vision—should be aspirational and have clear goals that you can measure.

Measuring requires some discipline and a focus on results, not just getting stuff out there.

And you need to keep the community well informed. Transparency is best. Explain what you are trying to you with this new environment, what it looks like in practice, and how it is progressing.