

Quick Reference Guide of Key Questions for Planning Technology Infrastructure

The questions listed below address many of the important considerations as you plan to build a technology infrastructure that supports digital learning. Each set corresponds to further guidance within Building Technology Infrastructure for Learning at <https://tech.ed.gov/infrastructure>.

1. Getting Started: Assess the Current Situation and Set Future Goals (see Section 1)

- What is the vision for learning that technology will be supporting?
- What digital learning resources will be needed?
- What kind of professional development will teachers need to facilitate digital learning?
- What is the organization's current network capacity?
- What is the current state of the organization's physical infrastructure?
- How many and what types of devices does the existing network support? What is planned for the future?
- What resources are available to fund the transition?

2. Getting High-Speed Internet to Schools (see Section 2)

- What are the options for high-speed Internet access in the area?
- What is the best connectivity path for the school or district?
- What local factors will affect connectivity costs?
- What funding sources are available?
- What resources are available for schools in rural communities?

3. Getting High-Speed Internet Throughout Schools (see Section 3)

- What are the necessary steps for planning school wireless network?
- What physical infrastructure considerations will impact the network?
- How should the network be provisioned, configured, and managed?
- How should security risks to the network be managed?

4. Getting Devices to Students and Teachers (see Section 4)

- Why are devices important?
- Which factors should be considered in device selection?
- Is a BYOD program a potential option?
 - If so, how will the school or district address the needs of students without devices or home Internet connectivity?
- What funding sources are available to pay for devices?
- How frequently will devices be updated or refreshed?
- How will devices be maintained?
- Should students be allowed to take school-provided devices home?
- How should devices be rolled out?

5. Determining Responsible Use, Student Privacy, and Other School Policies (see Section 5)

- How should devices be managed?
- How can schools ensure and encourage the responsible use of devices?
- What are school obligations for protecting the privacy of students?
- How should devices be filtered?
- Which policies for lost or damaged devices make sense?

<https://tech.ed.gov>



This work is free of known copyright restrictions.