



PIE PILOT TECHNOLOGY SPECIFICATIONS MANUAL



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AUDIENCE AND PURPOSE

The PIE PILOT TECHNOLOGY SPECIFICATIONS MANUAL provides technology personnel with knowledge and tools to manage technology for the assessment. The PIE pilot uses the Kite® System, which includes computer-based assessments and an online portal for educators to manage student information. The PIE pilot assessment can be administered on a variety of devices. Technology personnel prepare the network and devices for assessment administration.

ABOUT THE PIE PILOT

Pathways for Instructionally Embedded Assessment (PIE) is a study aimed at improving assessments to better support classroom teachers. It is sponsored by the U.S. Department of Education and led by the Missouri Department of Elementary and Secondary Education (DESE) in partnership with ATLAS at the University of Kansas. For more information about the PIE project, please visit pie.atlas4learning.org.

The PIE pilot study will be conducted in Grade 5 classrooms throughout the 2024–2025 school year, ending before the Missouri state assessment testing window starts. PIE is aimed at helping teachers use assessments and assessment results to support **mathematics** instruction. Short diagnostic assessments that are embedded into instructional cycles and are grounded on research-based learning pathways can help teachers monitor where their students are in their learning progress toward mastery of grade-level skills.

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CHAPTER 1: CHECKLIST TO MANAGE TECHNOLOGY

Work with the assessment coordinator to determine the due dates necessary to meet the district assessment schedule. Table 1 includes steps for managing technology for the PIE pilot.

Table 1

Checklist to Manage Technology

| <input checked="" type="checkbox"/> | Step | Resources |
|-------------------------------------|--|--|
| <input type="checkbox"/> | 1) Bookmark the PIE pilot page on the PIE website. Use the resources to become familiar with your role's responsibilities, procedures, and the materials needed to prepare. | pie.atlas4learning.org/pilot |
| <input type="checkbox"/> | 2) Modify spam lists and favorites lists, and whitelist websites and email addresses so all teachers have access to PIE content. Ensure all educators who are involved with the PIE pilot can receive emails from addresses ending in @ku.edu. | Kite Suite Whitelist Settings (PDF) |
| <input type="checkbox"/> | 3) Determine which devices will be used and verify that all testing devices meet OS and screen requirements. | See Chapter 4 of this manual. |

| ☑ | Step | Resources |
|---|---|---|
| ☐ | <p>4) Kite Student Portal 11.0 and above will be used for 2024–2025 assessments. Student Portal 11.0 or above must be downloaded and installed on the testing device. Downloads and instructions for all device types are available on the PIE pilot webpage. (Administrator rights to devices may be needed.)</p> <ul style="list-style-type: none"> • Chromebooks update automatically. • iPads and Android tablets update automatically if the user has automatic updates on. • Macs and PCs with versions of Kite Student Portal older than 11.0 will need to uninstall the older version and install 11.0 or above. | <p>Kite Suite</p> <p>See Chapter 4 of this manual.</p> |
| ☐ | <p>5) Support educators in checking the compatibility of devices with accessibility supports. Use the demo username and password listed in the Practice Test.</p> | <p>Guide to Practice Activities and Released Testlets (PDF)</p> |
| ☐ | <p>6) Verify that the network meets requirements. Refer to the Kite Student Portal bandwidth requirements document on the Kite Suite webpage.</p> | <p>Kite Student Portal Bandwidth Requirements (PDF)</p> |

| ☑ | Step | Resources |
|---|--|--|
| ☐ | 7) Install Adobe Reader or another PDF reader on computers used by educators to access Educator Portal. <hr/> NOTE: Most browsers support PDF viewing. <hr/> | Adobe Reader DC |
| ☐ | 8) Provide technical support for Educator Portal and Student Portal using troubleshooting information on the Kite Suite webpage. | Troubleshooting Kite Upload Errors |

CHAPTER 2: WHITELISTING TO ACCESS CONTENT

Whitelisting includes modifying firewalls and other network protections to allow uninhibited access to the Kite Student Portal servers so data can transfer between the testing device and Kite servers.

EMAIL

Various email messages are sent to users from @ku.edu accounts, originating from the University of Kansas (KU). These include Kite Educator Portal account setup messages, Educator Portal password reset messages, testing updates, and Service Desk replies. Consider whitelisting or adjusting spam filter email settings for the state or district email system to allow messages from @ku.edu accounts. Ensure all educators involved with the PIE pilot assessment can receive emails from @ku.edu addresses.

KITE STUDENT PORTAL CONTENT

If Kite Student Portal does not correctly display an onscreen image during test administration, it may be necessary to whitelist items to pass through the district's firewall. See the [Kite Student Portal Whitelist Settings \(PDF\)](#) for current information. Issues may include images not displaying fully or correctly, assessment items not fully appearing, or response options not appearing on the screen. The minimum screen resolution is 1024 × 768. Local technology personnel are the first point of contact for teachers.

CHAPTER 3: KITE EDUCATOR PORTAL

Staff and educators have accounts in Kite Educator Portal.

Kite Educator Portal is the secure administrative website application in which staff and educators manage student data and retrieve reports. For information on working within Educator Portal, see the [PIE PILOT EDUCATOR PORTAL USER GUIDE \(PDF\)](#) on the PIE website.

To effectively use Educator Portal, a supported browser must be used. The supported browsers are Mozilla Firefox, Google Chrome, Microsoft Edge, and Safari. Educator Portal access has only been verified using PC, Mac, and Chromebook devices. Using an iPad with iPadOS 16 or higher to access Educator Portal may allow typical navigation access, but the user will likely need to use a PC, Mac, or Chromebook for downloading extracts or accessing other graphically intensive aspects of the website to have the best experience.

In order to view PDFs in Educator Portal, educators and teachers need Adobe Reader or other software that allows the teacher to view and print PDFs. Most browsers now support PDF viewing.

CHAPTER 4: KITE STUDENT PORTAL

Kite Student Portal is the secure testing application used for the PIE Technology Practice Test and PIE pilot test administration. It covers the full screen of the device being used for the assessment administration, preventing students from accessing outside information during the assessment. Some Missouri district staff, educators, and students will be familiar with the platform as it is the same platform used for the Dynamic Learning Maps® (DLM®) alternate assessments.

Students have accounts in Kite Student Portal. Students log in with their own unique username and password, which is provided to the teacher through Kite Educator Portal.

This chapter is divided into sections to help you access information as easily as possible.

- The **Installation section** includes links to guides for installing Kite Student Portal on a particular type of machine or operating system.
- The **Using Kite Student Portal section** includes internet connectivity information and specifics on using Kite Student Portal.

The Kite Student Portal application icon is shown below:



Every effort was made to ensure that the graphics in this guide match what the users will see when using Kite Student Portal. Expect some slight differences depending on the computers and operating systems used to access Kite Student Portal.

For more information about the Kite Suite, refer to <https://pie.atlas4learning.org/pilot>.

INSTALLING KITE STUDENT PORTAL

In most schools, technology personnel are responsible for the installation of Kite Student Portal onto testing devices. Kite Student Portal should be installed and configured on each assessment machine before beginning administration of

assessments. For more information, refer to the installation guide provided in the next section for the desktop, laptop, or tablet computer being used.

REQUIRED SOFTWARE

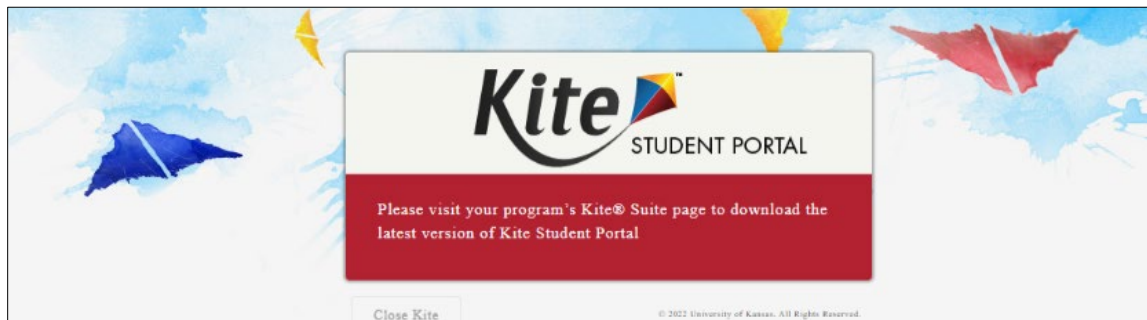
Before students can take assessments, Kite Student Portal must be downloaded and installed on each supported testing device.

The supported testing devices are those with the following operating systems:

- Chrome minimum 108
- Windows minimum 10
- iPadOS minimum 15.8.2
- macOS minimum 12.7.4

If you plan to use Android tablets for the PIE pilot, please contact the Kite Service Desk first. Some Android tablet models may not be supported for secure testing and must be approved prior to completing assessments in Kite Student Portal.

Kite Student Portal version 11.0 or above must be installed on all devices used for assessment for the 2024–2025 school year. Previous versions (i.e., Kite Student Portal 10.x, 9.x, 8.x, 7.x, 6.x, Kite Client) will not be compatible with the 2024–2025 assessment and must be uninstalled before Kite Student Portal 11.0 or above is installed. The error message is shown below will appear when attempting to access the assessment using an older version:



For more information about installing Kite Student Portal, refer to the installation guide for the operating system or device being used. Installation guides and a list of supported devices and operating systems can be found on the [PIE website](#).

Installation guides include:

- [Kite Student Portal Installation Guide for Windows®](#)
- [Kite Student Portal Installation Guide for Mac®](#)
- [Kite Student Portal Installation Guide for iPad®](#)
- [Kite Student Portal Installation Guide for Chromebook®](#)

USING KITE STUDENT PORTAL

INTERNET CONNECTIVITY

An internet connection with sufficient bandwidth is required to deliver the assessment using Student Portal. Please see the [Student Portal Bandwidth Requirements \(PDF\)](#) for more information.

RUNNING KITE STUDENT PORTAL

The process for opening and running Kite Student Portal varies depending upon the operating system or hardware in use. Specific instructions for opening and running Kite Student Portal are in the PIE PILOT TEST ADMINISTRATION MANUAL.

Kite Student Portal should be used with a single monitor but may work when set up with multiple monitors. An error may occur when launching Kite Student Portal if more than three monitors are being used.

Contact the Kite Service desk for assistance in determining if Kite Student Portal for Windows is compatible with a particular screen reader program.

After Kite Student Portal is opened on a machine, the assessment environment is standardized across operating systems and hardware, with the exception that an iPad user will touch the screen instead of using a mouse.

Should Kite Student Portal lock up or display an error message on any device, you may need to quit the application by entering Cmd+Q on a Mac device or Ctrl+Q on a PC and then entering the quit password. To obtain the most current quit password, please call the Kite Service Desk. Chromebooks and iPads will need to be reset or rebooted.

CHAPTER 5: CONTACTS

The Kite Service Desk provides support for Student Portal. Service Desk representatives are available for assistance weekdays from 7 a.m. to 5 p.m. CT.

If you need additional help, call or email the Kite Service Desk.

Phone: 844-675-4479

Email: pie-support@ku.edu

When contacting the Service Desk, **do not send** any Personally Identifiable Information (PII) about a student via email. PII includes such information as a student's first name, last name, birth date, etc. Do not send any information about the content

of the test, such as the question or answer choices on a particular item. Information about items must remain secure.

Do send the student SSID and the error or concern you are reporting regarding the test taker or the assessment item.