



ONLINE TESTING TOOLBOX

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Introduction to Online Testing in Kentucky

Kentucky's technology infrastructure supports the administration of computer-based testing allowing for the development of innovative assessment systems.

Kentucky leads the nation in bandwidth availability per student. One hundred percent of Kentucky public schools are equipped with WiFi access. Of Kentucky parents, 83% believe that technology used in classrooms enhances student learning.¹

There are advantages to online testing. Computer-based testing offers many benefits to Kentucky students and educators:

- Multiple-test administrations
- Quicker results
- Engages students with technology enhanced items
- Provides more independence for students with special needs
- Allows for greater test security

The Kentucky Board of Education unanimously voted on June 6, 2018 to support an online test administration as referenced in <u>KRS 158.6453</u>.

This Online Policy Manual has been developed to offer Kentucky public schools a quick reference to technology requirements, accommodations, and other general policies and procedures for online testing.

¹ The Kentucky Department of Education. (2019). [Infographic illustration and visualization of statewide digital readiness, representing school year 2018-2019]. Kentucky Digital Readiness Report for the KETS Master Plan Surveys and Results. Retrieved from https://education.ky.gov/districts/tech/Pages/KETS-2018---2024-Master-Plan---Appendix-B.aspx

Online K-PREP Practice Tests

All stakeholders in state accountability testing must be familiar with the format and interface of the assessments that will be administered. For students, educators and parents to become acquainted with online testing, the Kentucky Department of Education (KDE), along with Pearson, have developed a series of practice tests. Practice tests will allow all stakeholders to see how the TestNav environment operates and how the test tools and accommodations function.

Note: While the online practice tests represent items that correspond to the new KAS for Reading and Writing, the 2021 on-demand writing assessment will more closely correspond to previous on-demand writing assessments. To support the previous format, on-demand writing resources from previous assessments, including rubrics, will be utilized on the 2020-2021 spring assessment and can be found on the K-PREP page of the KDE website.

New this year are scorable practice tests for the test administrator and student to receive instant feedback on student responses. Test administrators may use the scorable practice tests in various ways. The scorable practice tests can provide an indication of the student's understanding of the content. They also provide students the opportunity to practice, use, and navigate the TestNav system.

Multiple-choice, multiple-select and technology-enhanced items are instantly scored. Short answer and extended response items are captured, and the student responses may be printed. The teacher or test administrator can score the written responses using the appropriate rubric. While the multiple-choice/multiple-select portion is instantly scored, the written responses must be captured for printing and scoring.

The test administrator should provide direction to the student, upon completion of the practice test, to not close their browser or click on the Sign out button until the test administrator is able to print the student responses. If the student does either of these prior to printing, the student responses are gone. The test administrator may print the summary report to see the student's responses. The maximum score for each multiple-choice/multiple-select question is reflected on the Summary report. The test administrator may score the printed short answer/extended response using the approved scoring rubrics. The rubrics are included within the Answer Key/Rubrics pdf that is posted under the "Related Links" on the Home page of PearsonAccess^{next} at Answer Keys/Rubrics for Practice Tests. They can also be found on the Test Preparation page of the KY Portal.

It is recommended that districts utilize these practice tests to familiarize students with the TestNav system. The tests are organized by content and grade. The purpose of the practice tests are twofold.

- To get students and testing administrators familiar with the TestNav platform prior to the day of the test administration.
- To focus on the TestNav tools (see: <u>TestNav tutorial</u> provided by Pearson) and not on content.

There are two types of practice tests, an unsecured version and a secured version. The unsecured version will work in a basic Internet browser and has all of the functionality of the secured version. One difference between the two practice tests is that in the unsecured version, the computer and Internet browser are NOT locked down or 'secure' so students could access outside resources while taking the practice test. The secured version of the practice test will give students the closest experience to what they will experience on test day as everything will be locked down.

Non-Secured Practice Tests

The non-secured practice tests are browser-based tests and available for use by anyone. There are no testing tickets or a need for additional software to be installed, in order to access these tests. The practice tests are housed on the newly launched KYPortal.

- Reading
 - o Elementary School (Grades 3, 4 and 5)
 - o Middle School (Grades 6, 7 and 8)
 - o High School (Grade 10)
- Mathematics
 - o Elementary School (Grades 3, 4 and 5)
 - o Middle School (Grades 6, 7 and 8)
 - o High School (Grade 10)
- Science
 - o Elementary School (Grade 4)
 - o Middle School (Grade 7)
 - o High School (Grade 11)
- Social Studies
 - o Elementary School (Grade 5)
 - o Middle School (Grade 8)
 - o High School (Grade 11)
- On-Demand
 - o Elementary School (Grade 5)
 - o Middle School (Grade 8)
 - o High School (Grade 11)
- Editing and Mechanics
 - o Elementary School (Grade 5)
 - o Middle School (Grade 8)
 - o High School (Grade 11)

Secured Practice Tests

The secured practice tests give a realistic look and feel for what the field tests and operational tests will look like from the DAC/BAC end. The secured tests are loaded to the brown training site so that the DACs/BACs can get a feel for how to create sessions, assign students, prepare the sessions, print testing tickets, find seal codes and start the sessions. Districts do not have to have TN8 loaded before DACs or BACs may work in the brown training site. For technology guidance see the Technology section of this toolbox or the <u>Technology page on the KYPortal</u>.

Accommodated Practice Tests (Text-To-Speech)

It is also important that students that need a text reader utilize the accommodated practice tests and the embedded Text-To-Speech functionality. Those can be found on the KY Portal using the link below:

Accommodated Practice Tests on the KY Portal

It is highly advisable that students receiving this accommodation are given time to adequately learn how to navigate the new text-to-speech software. While the functionality will be similar to years past as both the previously utilized LexiFlow reader and new Text-To-Speech are both produced by the same company, TextHelp, there are some slight differences that students should experience prior to test day.

General Online Testing

The Online Testing Toolbox contains important test administration information pertaining to all grades taking online assessments including accommodated formats of paper/pencil testing. All test administrators are encouraged to read the toolbox prior to testing.

Testing During a Pandemic

The Kentucky Department of Education has released guidance on <u>Covid-19</u>. District and school staff should follow the Guidance on Safety Expectations and Best Practices for Kentucky Schools and most current health guidance at the time of testing when administering the Spring 2021 K-PREP and QSCS Survey to students

Two documents in particular deal specifically with testing and should be on the reading list of every DAC and BAC this school year.

Participation in Spring 2019 Kentucky State Testing

Kentucky Summative Assessment Administration Guidance 2020-2021 School Year

Test Security in the Online Environment

District Assessment Coordinators (DACs) and Building Assessment Coordinators (BACs) are responsible for ensuring that all personnel administering any online assessment follow security requirements.

Statutory and Regulatory

Requirements for online assessments are set forth in the Administration Code for Kentucky's Educational Assessment Programs (703 KAR 5:080) and the Inclusion of Special Populations in the State-Required Assessment and Accountability Programs (703 KAR 5:070). Training on each of these regulations must take place prior to testing. Failure to follow program procedures can result in an allegation or possible invalidation of scores or other disciplinary actions.

Test Security

Although the K-PREP is an online assessment, there will still be paper materials for some accommodated students. Plus, students testing online will have secure paper materials such as testing tickets and scratch paper. Refer to the test administration section and the test manuals for handling secure materials, i.e., seal codes, storing materials, maintaining and tracking chain of custody of the materials, documentation of tracking and maintaining the integrity of tracking/storage. It would also be important to familiarize yourself with the new CAVEON Testing Security practices for online testing. For more information on the new CAVEON test security practices see the KDE website.

Confidentiality

An important aspect of an online test administration involves protecting the security and confidentiality of all parts of the assessment from the secure test content, testing tickets, answer documents, seal codes, online assessments, and scratch paper.

Material Security and Storage

A process/procedure is needed in each school/district for maintaining security and storage of secure online test materials. Follow directions for security and storage prepared in the Test Administrators Manual.

Training

Districts are required to provide training annually on the Administration Code and Inclusion of Special Populations. Additional trainings are encouraged on use of the TestNav system. Documentation is required and maintained at the school/district.

Monitoring

Monitoring a test administration session requires more than setting up test sessions. Test administrators are expected to monitor students closely to ensure that every student has a fair and equal chance to receive valid scores. A test administrator's responsibilities during testing include, but are not limited to, actively moving about the room.

Allegation Reporting

Should it be determined that a possible allegation may have occurred, specific steps should be taken to report the incident through the <u>Allegation Reporting Application on KDE's</u> website. The information should be entered into the application following the step-by-step directions on the website.

Dictionary/Thesaurus

Both dictionaries and thesauri are available to students in Grades 5, 8 and 11 during the online on-demand writing (ODW) assessment within TestNav. In the unlikely event that a student is unable to access these resources during ODW, please allow students to use a paper copy of the dictionary or thesaurus.

Calculator Use Policy

Desmos calculators (four-function, scientific and graphing) are available for students to use on online mathematics assessments within TestNav.

- Grades 3-5: Four-function
- Grades 6-8: Scientific
- High School (sans Science): Graphing
- Grade 11 Science: Scientific

Home Bound Students

It is the expectation that all students participate in online testing with the exception of those students with an approved medical non-participation request. See the Technology section of the KYPortal for further information about administering an online assessment in a student's home. If all steps to administer online testing to a student are exhausted, please contact DACInfo@education.ky.gov.

Makeup Testing

Test administrators should keep a list of students absent during the regularly scheduled student testing so that makeup sessions can be scheduled. Schedule makeup testing sessions for students who are absent during the testing window.

Seal Codes

A seal code is a unique four-digit number used to allow students to access a section of the online assessment. The need for a seal code prevents the student from going on to the next portion of the test. Reading, Science, On-Demand Writing and Social Studies will have one seal code for the entire assessment. Mathematics will have two seal codes.

Accommodations: Introduction

Accommodations are provided for roughly 10% of the student population that participate in state testing. With the move to online testing, some accommodations will look different when provided in an online environment but all accommodations that are available for paper and pencil testing will also be available during online testing.

With the move to online administration, it is important to establish how accommodations are provided in an online testing environment. In the following sections, each accommodation is described in detail for how and under what conditions it is to be provided during an online test administration. However, state regulation requires three parameters must be met for any individual accommodation to be considered for use on a state test. These requirements apply to all the following accommodations:

- 1. The accommodation must appear on a recognized student plan (Individualized Education Program (IEP), 504 Plan or Program Services Plan (PSP).
- 2. The accommodation must be used throughout the year during regular classroom instruction and cannot solely be a testing accommodation.
- 3. The accommodation must be recognized by KDE as an appropriate testing accommodation.

These are comprehensive guidelines that must be applied to each accommodation provided on the state assessments. Students must meet the requirements to receive accommodations on the state test. Assuming the student meets the threshold for receiving these accommodations, the following sections will provide guidance on how to properly administer those accommodations for a successful online test administration.

It is advisable that all students and staff who will be participating in the online state tests use and get comfortable with the practice tests made available by Pearson and KDE (see Practice Test section for more info). Within the practice test, all tools available during the live administration will be available. There are also accommodated practice tests available for use which include the new Text-To-Speech functionality that replaces the previous LexiFlow Text Readers. Also new this year, the practice tests are scorable and provide instant feedback on most questions.

TestNav Tools

The following tools are available to all students and could be useful to all student populations. Below are screenshots of how to access these tools and their basic functionality. Students and testing administrators can also access these tools and learn the functionality for each tool in the <u>practice tests</u> provided by Pearson and KDE which are available online. There is also a detailed tutorial provided by Pearson that will walk students and/or staff through each tool within TestNav. The tutorial is available on the KYPortal.

TestNav Tools Include:

- Change the background and foreground color (Fig 1 & Fig 2)
- Enable Magnifier (Fig 1 & Fig 3)
- Show Line Reader Mask (Fig 1 & Fig 4)
- Enable Answer Masking (Fig 1 & Fig 5)

For a full list of tools available in each subject, see <u>Appendix B</u>. To see the functionality of each tool in TestNav, see the tutorial provided by Pearson.

Students should utilize the <u>practice tests</u>. Review each of these tools with students and how to use them. Tutorials and documents created by Pearson provide further detail on each tool and how to customize it.

Other resources provided by Pearson include the following:

Pearson Access^{next} User Guide
Pearson TestNav 8 KY Tutorial
Pearson TestNav 8 Online User Guide

Below is a quick tutorial of the basic tools embedded in all grade levels, subject areas and for all students within TestNav. This does not include subject or grade level specific tools (i.e., ruler, protractor, etc.) For that level of detail please consult the Pearson TestNav 8 KY Tutorial.

To access the universal tools within TestNav, first click on the User Dropdown Menu as seen in Fig 1.

Fig 1. User Dropdown Menu within TestNav

The User Dropdown Menu is in the top righthand section of the TestNav screen. Click the icon with the person silhouette to access (#1) and the options will unfold below as see in $Fig\ 1$.

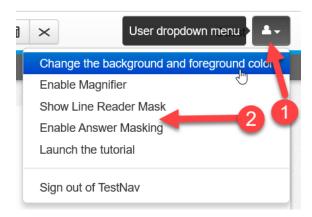


Fig 2. Change the background and foreground color tool within TestNav

From the user dropdown menu the user can select to change the background and foreground color for greater contrast within TestNav. This will open a menu as seen in *Fig 2* that will have the different contrast options available to the user.

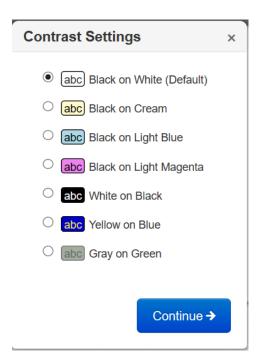


Fig 3. Enable Magnifier Tool: Magnification Tool In-Action

From the user dropdown menu ($Fig\ 1$) the student can select to enable the magnifier tool. This will create a boxed in area on the screen the user can navigate around the screen to magnify any text within that boxed in window. See $Fig\ 3$ for an example.

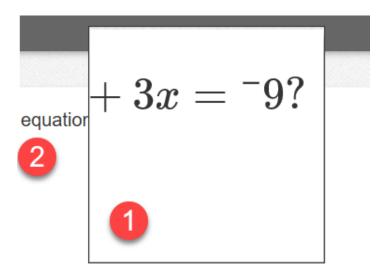


Fig 4. Enable Show Line Reader Mask (customizable)

From the user dropdown menu (Fig 1) the student can select to enable the line reader mask. In Fig 4, the user can see the visible box that allows text to be seen (#1), the darkened area that covers all other text (#2), the sizing control for the darkened box that allows the user to grow or shrink the darkened area (#3) and lastly the sizing button for the visible boxed in area that allows the student to grow or shrink the viewing window (#4).

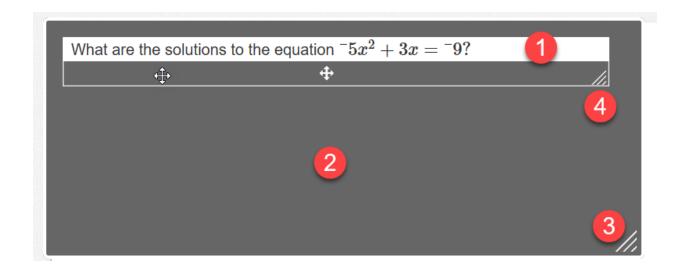
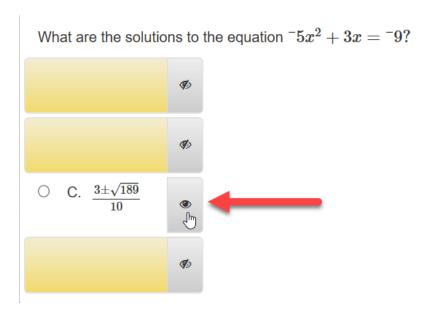


Fig 5. Enable Answer Masking

From the user dropdown menu ($Fig\ 1$), the student can select to enable answer masking. This will cover all of the answer choices. When answer choices are covered the user will have a yellow box covering the answer with an eye icon with a slash through it. To uncover an answer choice, click the eye icon as seen in Fig 5.



For further explanation about how to access and utilize the tools available in TestNav, please consult the <u>TestNav 8 KY Tutorial provided by Pearson</u>. For a full list of all of the tools available in TestNav, by subject, please consult the chart in <u>Appendix B</u>.

Accommodated Materials

Beginning with the 2020-2021 school year, most spring assessments will be administered online. Some students will take the state tests using a paper and pencil format. This manual primarily covers online testing, but it is important to also cover how accommodated students that require accommodated materials will be tested and which materials are available.

For the 2020-2021 online operational and field test administration, large print and Braille kits will be available. Other students, even those receiving accommodations, will complete testing within TestNav.

Braille

Braille versions of field test and operational assessments will be available in paper and pencil kits. All accommodated kits are to be ordered via the additional order option in PearsonAccess^{next}. Unlike years past, it is expected that when ordering, districts will specify which version of the Braille kits are needed such as Unified English Braille Code (UEB) or Nemeth Braille Code. Pearson staff will not be calling districts to verify this.

Braille is only available in a paper and pencil format for all Kentucky state tests except the Quality of School Climate and Safety Survey. For information on how to order Braille materials in <u>PearsonAccess^{next}</u>, see the <u>Ordering Paper Materials</u> section of this manual.

Large Print

There is a zoom function available in TestNav for anyone who needs to enlarge the text. For any student who requires the test in Large Print there will be paper and pencil kits available for order except for the Quality of School Climate and Safety Survey. The Large Print orders will be placed in PearsonAccess next via additional order only. For information on how to order Large Print materials in PearsonAccess next via additional order only. For information on how to order Large Print materials in PearsonAccess next via additional order only. For information on how to order Large Print materials in PearsonAccess next via additional order only.

Special Accommodations

If a student cannot test online due to a disability – such as seizures brought on by electronic usage – there are a small number of paper kits printed for those situations that can be sent to districts. These can only be obtained with KDE approval and cannot be ordered in PearsonAccess^{next}. To get approval please e-mail dacinfo@education.ky.gov with the student ID#, school, district and a summary of why a paper kit is needed. The request will be reviewed and upon approval a paper kit will be sent to the district. To gain approval the condition preventing online testing must be supported within the student's documents within IC (Infinite Campus).

Ordering Paper Materials

Ordering paper Braille or Large Print test accommodated materials should be completed in PearsonAccess^{next}. This year accommodated materials may only be ordered via additional ordering so there are no shipping windows.

For help placing additional orders in <u>PearsonAccess^{next}</u>, consult the <u>PearsonAccess^{next} Online support document</u>. *Also See Fig 1, 2, 3 and 4 below*.

Fig 1. Ordering Additional Materials in PearsonAccess^{next} (Step 1)

To place an additional materials order within <u>PearsonAccess^{next}</u>, start with the following steps.

- 1. Click Setup
- 2. Click Orders & Shipment Tracking from dropdown menu
- 3. Click the Select Tasks dropdown
- 4. Select Create/Edit Orders
- 5. Click start

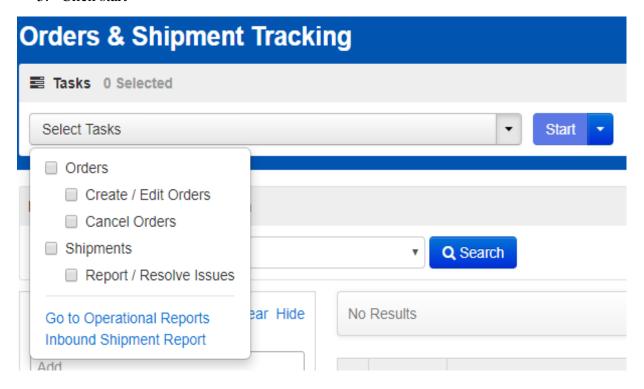


Fig 2. Ordering Additional Materials in PearsonAccess^{next} (Step 2)

1. Click create an additional order

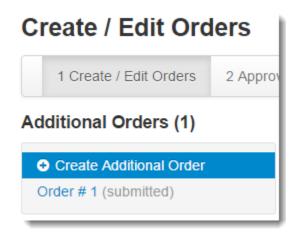


Fig 3. Ordering Additional Materials in PearsonAccess^{next}(Step 3)

- 1. Enter the Date Needed
- 2. Click the dropdown arrow for stored contact
- 3. Click on add items at the bottom of the page

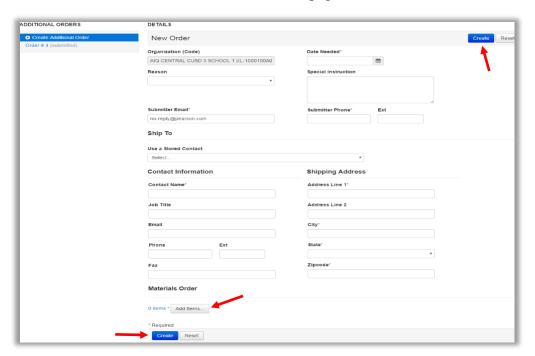
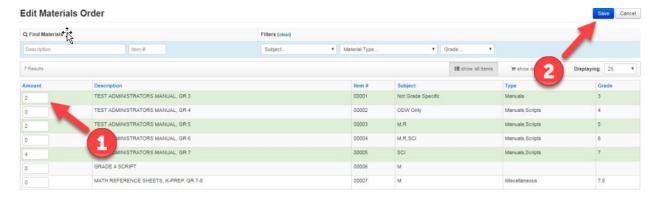


Fig 4. Ordering Additional Materials in PearsonAccess^{next} (Step 4)

- 1. Enter the quantity of items needed
- 2. Click save



Returning Accommodated Materials

Accommodated Materials are shipped in paper and pencil format kits and thus must be returned to Pearson. Please see documentation in the appropriate Test Administrator Manual on how to properly return these materials to Pearson.

The Test Administrator Manual will be available on the KDE K-PREP web page when available.

KDE: OAA: DAAS: JWH

Accommodations

The following section provides a limited list of state approved accommodations on the online test. These accommodations fit into two main categories: A) most used or B) most impacted by online testing. To some degree, all of these accommodations fit into both categories. This, however, is not the complete listing of all accommodations allowed on state testing.

Also included are tips of things to consider for each accommodation when providing the accommodation during an online administration.

Paraphrasing/Simplified Language

Paraphrasing/Simplified Language is a supported accommodation for all online tests. The proctor may only paraphrase or simplify directions and can never alter or change test questions or answer choices. This includes directions embedded within test questions. Once time begins on a state assessment, nothing can be paraphrased. See *fig 1* and *fig 2* for examples of when directions can be paraphrased.

With an online testing environment, the delivery of the paraphrasing/simplified language accommodation is changed slightly. Instead of a paper version of the test, the accommodator would paraphrase (directions only) straight from the computer screen.

Paraphrasing/simplified language can be provided one-on-one or in small groups, up to four students. To test in small groups, students have the same form of the test and the same accommodations. If a student has an accommodation which requires a one-on-one test administration such as scribe, that student would not be able to participate in a small group administration.

Fig 1 Directions prior to the test beginning

This is an example of a directions box in a test booklet that is to be read prior to the test beginning. This, or similar directions boxes, may be paraphrased.

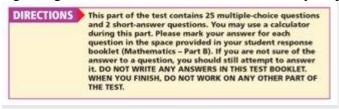
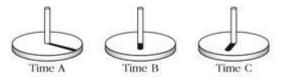


Fig 2 Directions during the timed test which are part of a test item

This is an example of directions that appear within a test item.

Shadows of a Sundial

The pictures below show a sundial and its shadow at three different times during the day.



- a. On the next page, draw where the sun would be to make the shadow shown in EACH of the pictures.
- Explain why the position of the shadow on the sundial is in different places during the day.

Once the timed portion of a test begins, nothing can be paraphrased or simplified at that point. Only portions of the test booklet outside of the timed areas which are part of the directions can be paraphrased. Because the directions that appear in Fig 2 are embedded in a test item within the timed portion of the test, they cannot be simplified or paraphrased.

Bilingual/Word-To-Word Dictionary

The bilingual or word-to-word dictionaries can be in print or electronic versions. One point of emphasis is that if an electronic version is used, it will not be provided within TestNav and cannot be operated on the same computer that is running TestNav. An electronic version would have to be on an exterior device.

Further, consistent with best practices for ELs, the dictionary used should be a word-to-word translation without definitions. When using an electronic bilingual or word-to-word dictionary make sure that other capabilities such as Internet capabilities, translating whole phrases and sentences, etc. are turned off before using this accommodation on the state-required assessments.

Human Reader

The human reader accommodation can be provided in a one-on-one setting or a group setting of up to four students. In order to provide this accommodation in a small group setting all students must have the same form of the test and cannot have other accommodations – such as scribe – that require a one-on-one test administration. Paraphrasing and extended time would be examples of accommodations that would permit small group assessment administrations to be provided along with a human reader.

The human reader accommodation can be provided by allowing the human reader to sit next to the student(s) and read from the computer screen.

Tips or things to consider when using a Human Reader...

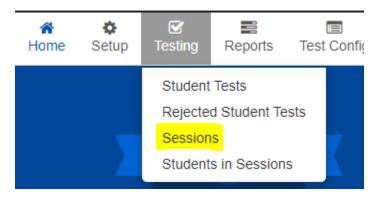
- 1. Take great care when setting up a test environment where multiple students will receive reading services from a single human reader. All test security and all administration regulation requirements must be followed. Do not create blind spots for the testing administrator.
- 2. Plan ahead to have extra staff trained and available to deliver this accommodation because each test administrator providing this accommodation can only provide the service for 1-4 students per test session.

Read Aloud Override (only available for Social Studies and Science)

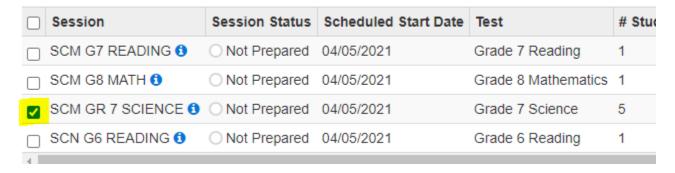
In some instances, school staff may find that there are not enough accommodators available to provide an individual reader to each student. DACs and BACs may then group students into small groups of up to four. However, in rare instances when multiple forms of an assessment exist, even this proves too much for school staff to adequately provide reading accommodations in a timely manner. In these instances the BAC or DAC (district policy should be followed) need to contact Jason Howard in the Office of Assessment and Accountability for approval to override the form numbers and place students manually into groups of four with the same form. To request override access please consult the section titled Requesting a Read Aloud Override.

Once the DAC/BAC receives approval from OAA (Office of Assessment and Accountability) to perform the form override for the Read Aloud accommodation OAA will provide the DAC/BAC information to Pearson so the "role" can be added to the DAC/BAC user account. Pearson will email the DAC/BAC when the role has been added to their user account and will also provide these step-by-step instructions to override the form on a student's test record.

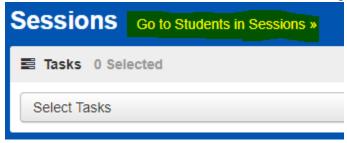
- 1. All students to have the form override on their student record will need to be in a session and the session must be prepared, the form number is not assigned to the student until a session is prepared. It will be the determination of the DAC/BAC as to how they want the sessions to created. Examples are to name the session "Johnson Gr 4 Read Aloud"; "Patterson Gr 5 RA"; this is to the discretion of the DAC/BAC.
- 2. In order to "Prepare Session" click on the Testing tab and click on Sessions:



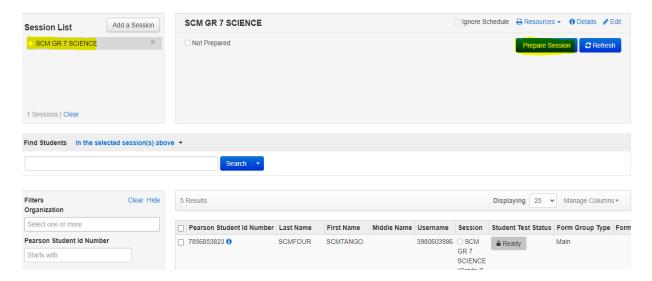
3. Once in the sessions screen check the box in front of the session that you will work with:



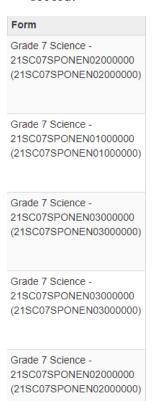
4. After that click "Go to Students in Sessions at the top left of the page:



5. The following page will appear:
To the left is the session list, click on the session name, to the right is the "Prepare Session" button, down below is the list of students and to the far right on the student record is the Form column. At this time the Form type is blank, click on the Prepare Session.



6. Once the session is prepared the Form numbers will be visible to the right of the student record:

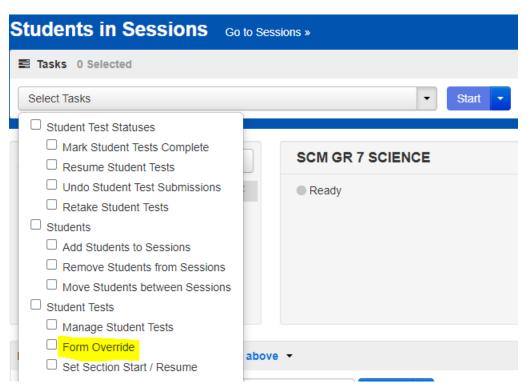


KDE: OAA: DAAS: JWH

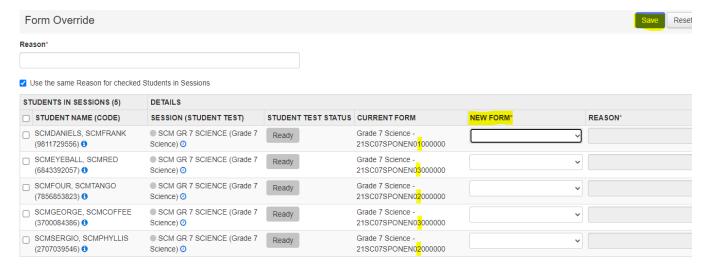
7. To the left of the student record click on the check box for the students you must change the form number:



8. At the top left click the drop-down arrow on Select Tasks, click the check box in front of Form Override and then click the Start button:



9. The screen below shows the student records that you can change the form. To the "right is "New Form", click the dropdown to choose the new form you want all the student records to be. The form number is highlighted in the "Current Form" column. For the reason you can key in "Read Aloud". Once you have completed, click save, click Exit Tasks, this will bring you back to the session screen.



Requesting a Read Aloud Override

If a school or district needs to request a read aloud override (**science and/or social studies only**), work through the District Assessment Coordinator (DAC) to make that request to <u>Jason Howard</u>. DACs, please provide the following information in the request.

For KDE Approval:

- Number of students needing a human reader (broken up by school)
- Number of available staff able to provide accommodations (broken up by school)
- Justification for override request (short summary of why this is needed)

For PAN override access to be granted the following information will be needed:

- DAC/BAC Name that will need override access
- District Name
- The e-mail attached to the PAN accounts needing override access

Please make requests at least two business days (48 hours) prior to needing access so Pearson and KDE have adequate time to fulfill the request.

Oral Native Language Support

Oral native language support shall be based on a student's individual language needs as documented in the Program Service Plan (PSP).

This accommodation may range from assistance with specific vocabulary to a sight translation which means rendering printed English test materials (i.e., directions, questions, prompts, situations, passages and stories as written) orally in the student's native language. The accommodation or oral native language support shall include providing directions orally in a student's native language. The accommodation shall also incorporate some simplification of language in the test administration directions.

Tips for providing Oral Native Language Support...

- 1. Because students can choose to have the entire test, part of the test or none of the test to be translated, it would be wise to plan well in advance for students needing this service. Some languages may be harder to provide than others so make plans well in advance of test day.
- 2. If a school district or school has specific circumstances that require the testing windows to be adjusted in order to provide this accommodation to students, the Kentucky Department of Education (KDE)will work with the DAC on a case-by-case basis. If a DAC needs this assistance, please email the Office of Assessment and Accountability (OAA) for further direction.

Extended Time

Administration of extended time varies depending on the type of assessment being administered. Extended time is an honored accommodation for all state testing. However, the way tests are timed differs between field testing and operational testing.

Operational testing generally has stated, firm, time limits that can easily be given time and half or double time. However, for 2020-2021 testing, those times are flexible as well. As a result, if students are working diligently allow them to continue to work.

Field testing, however, while given a stated time limit has been deemed a largely flexible time limit test. The entire tested population can go beyond the stated time limits as long as the student(s) are working diligently. Following in that same vein, students that get extended time can do the same.

The reason for the differentiation is that field tests do not in any way impact the state accountability system and they are not reportable scores. Field tests are used to inform KDE on what test items are usable on an operational test and the average time a test item and test form take to complete. With the rise of online testing, KDE now has the capability to measure the time

needed down to the item level. This allows KDE to make informed decisions on testing times once the test becomes operational. For this reason, KDE wants students to be given ample time to complete field test items so KDE can get an accurate time per item and per form of the test.

Tips or things to consider for providing extended time...

- 1. Students must use their regular time productively in order to qualify for extended time.
- 2. If a student is denied extended time because they misused their regular time, it is in the proctor, BAC and DAC's best interest to document the decision and why it was made.
- 3. Plan ahead for where extended time will be provided and plan to have plenty of test administrators on hand to provide the accommodation. For instance, if a school chooses to move extended time students to the library to finish their exam, BACs will want multiple administrators on hand and circulating to adequately track and adhere to test security and the test administration code.
- 4. With an online test, pausing and resuming testing to relocate students to a different testing area for extended time is done within PearsonAccess^{next}. See pausing and resuming the test information in the PearsonAccess^{next} Online Support document.

Scribe

Provided the student has the appropriate accommodations within their student plan, scribes are allowed to type student responses on the online test. This is a change from paper and pencil testing where technology was also required in order for a scribe to type a student response. Because technology is the primary mode of delivery of the test for all students, technology is not being used in addition to or instead of other entry of student items. As such, scribes are allowed to type for students on all online tests.

It needs to be noted that this is a required one-on-one testing accommodation, and this supersedes all other accommodations when it comes to testing environment setup. What this means is that if a student has a scribe and a reader, the reader accommodation can be provided in large or small groups. However, the scribe accommodation requires a one-on-one environment. The one-to-one requirement supersedes all others. The student must be tested one-on-one.

Tips or things to consider for providing a scribe...

- 1. Scribe is an accommodation which must always be provided in a one-to-one environment. It is advisable that DACs and BACs train extra/all staff on inclusion of special populations prior to the testing window to ensure maximum flexibility on testing days.
- 2. While not unique to an online test, it is important to mention that scribes must type exactly what a student dictates to them. This includes student directions for punctuation, paragraphs, grammar, and capitalization.

Hand-held and Online Calculator Accommodation

All students taking the online test, without requisite accommodations on a student plan, must use the online Desmos calculator provided to students within TestNav. For the vast majority of students taking the online test, hand-held calculators are not allowed. Likewise, the vast majority of students will not be able to use any calculator on any section tagged "no calculator."

If a student has within their student plan an accommodation allowing a hand-held or online calculator, they are permitted to use one during online testing on any test administered by the state. The calculator must conform to the KDE calculator policy guidelines. If a student needs a calculator not approved by the KDE calculator policy, the unapproved calculator request form should be completed and submitted to KDE.

For the majority of students the only calculator allowed on the online test will be the online Desmos calculator that is embedded into the TestNav system. Each grade band has a different version of the calculator available on their test.

- Elementary (3-5) will have the Desmos 4-Function calculator available. See Fig 1.
- Middle School (6-8) will have the Desmos Scientific calculator available. See Fig 2.
- High School all but Science (10, 11) will have the Desmos <u>Graphing calculators</u> available and the appropriate one will be provided based on each question. See Fig 1, Fig 2, Fig 3.
- High School Science (11) will have the Desmos Scientific calculator available. See Fig 2.

Fig 1. Desmos 4-Function calculator within TestNav (Grades 3-5)

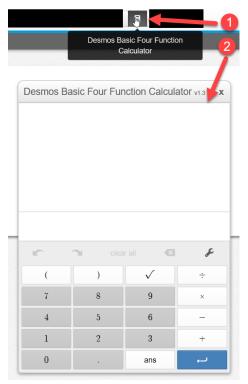
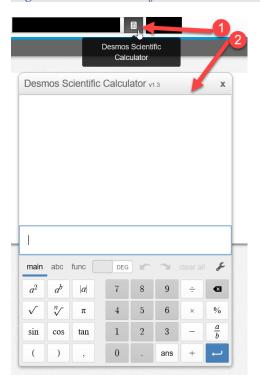


Fig 2. Desmos Scientific Calculator within TestNav (Grades 6-8, 11 science)



Desmos Graphing Calculator v1.3

Desmos Graphing Calculator v1.3

x

1

2

Fig 3. Desmos Graphing Calculator within TestNav (Grade 10 & 11 (all but science))

If a student requires a hand-held or online calculator and is taking any online state assessment, he/she must have very specific requirements met in order to qualify for a hand-held calculator accommodation.

- 1. The student must have a mathematics deficiency noted on their IEP or 504 Plan.
- **2.** The student must have technology and/or calculator marked in the state testing accommodations box.
- **3.** The student must have received and consistently used the calculator as part of regular classroom instruction throughout the year. Like all other accommodations, a calculator cannot simply be a state testing accommodation.

See the flowchart below for scenarios and examples on how to determine if the use of a handheld calculator is permitted.

Scenario	Does the student receive an accommodation?	Is the student using a paper kit?	Does the student's IEP or Section 504 Plan document the need for a handheld calculator?	used during regular	Is the hand-held calculator approved?
#1	No	N/A	N/A	N/A	No
#2	Yes	No	No	N/A	No
#3	Yes	No	Yes	Yes	Yes
#4	Yes	Yes	N/A	N/A	Yes

See the flowchart below for scenarios and examples on how to determine if the use of an accommodated online calculator is permitted.

Scenario	Does the student receive an accommodation?	Is the student using a paper kit?	Does the student's IEP or Section 504 Plan document the need for an online calculator?	Is a calculator used during regular instruction?	Is the online calculator approved?
#1	No	N/A	N/A	N/A	No
#2	Yes	No	No	N/A	No
#3	Yes	No	Yes	Yes	Yes
#4	Yes	Yes	N/A	N/A	No

NOTE: To request an online calculator for a student as an accommodation please e-mail the following information to <u>OAA</u> in an e-mail titled "Online Calculator Request."

- District
- School
- Grade
- SSID

Tips or things to consider when providing a hand-held calculator accommodation...

- 1. While not required by KDE, because of the distraction that could be created by allowing some students to use a hand-held calculator and not allowing others, it may be advisable to test students with a hand-held calculator accommodation together and separate from students not allowed a hand-held calculator.
- 2. A student that qualifies for a hand-held calculator accommodation is allowed to use that calculator on every test, including tests labeled non-calculator tests.
- 3. One thing to keep in mind for students that qualify for a hand-held calculator is that even if they prefer to use the online calculator and state that preference prior to the test, they will need to be prepared to use a hand-held calculator too on test day. The reason for this is that the calculator is turned off, and cannot be turned on for some tests labeled non-calculator tests. So the online calculator will not be available on those tests. While this scenario is unlikely it is one DACs and BACs need to prepare for in the event a student that qualifies for a hand-held calculator prefers to use an online calculator.

Requesting Non-KDE Approved Hand-held Calculators

Go to the <u>Assessment Support Forms</u> page on the KDE website and download the <u>unapproved</u> <u>calculator request form</u>. Complete the form and fax (or e-mail it w/o IEPs or 504's attached) it to (502) 564-3249, Attention: Jason Howard. Please include a cover page with the name, title and fax number for the person that needs to receive the KDE response to the request.

Applications for an unapproved calculator are processed on a first come, first served basis. For the speediest response time complete and submit the form well before testing starts. Typically, a response will be received within three business days but that timeframe can expand the closer the form is submitted to testing time.

The outcome is decided through a review process which takes into account the calculator and its features. Calculators that have Internet capability which cannot be turned off will not be approved, for example. That is because it directly violates the Administration Code.

The other portion of the review is based on the student's IEP or 504 Plan. The student must have a specific need for an accommodation that cannot be satisfied by a calculator on the approved calculator list. A good example would be a talking and/or large button calculator for a student with visual impairments. No calculators on the already approved list can satisfy this need.

It is important that all students have everything needed to be successful. That said, documentation of a valid need for an unapproved calculator is required prior to approval.

Tips of things to consider for using Non-KDE Approved Hand-held Calculators...

1. When submitting a request for a Non-KDE Approved Hand-held Calculator, verify the student plan in Infinite Campus (IC) is up to date before sending in the application. If it is

- up to date, there is no need to fax in a copy of the plan with the application. Simply provide the Student ID# (SSID).
- 2. The earlier DACs submit requests the faster response time tends to be. The two weeks leading up to testing tend to be when the highest volumes of applications arrive. Because of this, response times are much slower.

Requesting an Online Calculator for a student in TN8

This is strictly for students that receive an online calculator as an accommodation. This process does NOT have to be done for every student in the building. This is a request for students to receive an online calculator accommodation on non-calculator sections of the test. Only students that fall into the approved calculator accommodation guidelines qualify for this. To see if a student qualifies for this accommodation see the Handheld and Online Calculator Accommodation section of this Toolbox.

The plan in future test administrations will be to allow districts to assign an online calculator directly to students as has always been the case for calculator accommodations on the approved KDE list. For 2020-2021 testing, that functionality is not available within PearsonAccess^{next}. As a result, districts must contact KDE to request the online calculator form be turned on and Pearson will turn it on for specific students.

To request an online calculator for a student(s) as an accommodation please e-mail the following information to <a>OAA in an e-mail titled "Online Calculator Request."

- District
- School
- Grade
- SSID

Please allow at least two business days (48 hours) for the request to be fulfilled.

Manipulatives

If a student has manipulatives marked on their student plan and have used them throughout the school year, he/she may use the manipulatives on the test as long as they are considered appropriate for a state assessment (free of content, no guidance to a response). Any student that receives this accommodation should be tested in an one-on-one environment. The manipulatives should be placed at a central location that is not on the student's direct testing surface.

Students cannot be prompted to use manipulatives once the test has commenced. The proctor can, however, prior to testing begins show the student where the manipulatives are located so they are aware they are available and where to find the manipulatives.

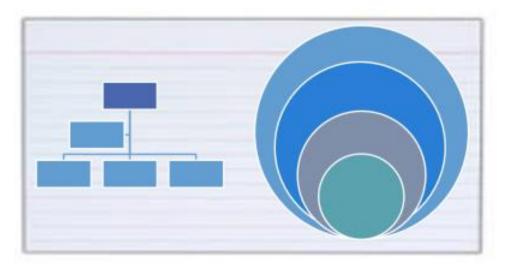
Manipulatives must be free of content of any kind when first presented to the student. This includes any numbers, letters, pictures, sketches or designs that can be considered content.

3-22-2021

Examples of Manipulatives include...

- Base 10 Blocks
- Fraction Strips
- Blank Number Lines
- Abacus
- 3x5 Notecard (content free see *Fig 1* for example)

Fig 1. Example of Content Free Note Card



Tips or things to consider when providing manipulatives as an accommodation...

- 1. BACs should consider the optimal room setup to provide manipulatives as an accommodation. There must be a separate workspace for the manipulatives as the manipulatives cannot be placed directly on a student's desk. The proctor must also have easy access to both areas as a test administrator so that the proctor can provide active monitoring.
- 2. Make sure to provide all manipulatives a student is to receive available to the student on test day as their student plan dictates. If a student has 20 manipulatives listed on their student plan but only routinely uses six during instruction, all 20 still must be provided on test day.
- 3. The important thing to remember about manipulatives is that the manipulatives are only to serve as a trigger for information the student already possesses. The role of a manipulative is never to teach or provide answers to the test being taken.

Speech-To-Text

Currently there is not a secure method for providing this feature on online state testing. KDE is working on methods of providing this in the future but as of yet is unable to provide it due to test security reasons.

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Currently, Speech-To-Text functionality is being developed and plans are to offer it in a trial, pilot-based format before going operational with the capability within TestNav.

Text-To-Speech

Text-To-Speech replaces the LexiFlow text reader that was used in previous years. The functionality is nearly the same as both programs were developed by TextHelp.

In order for a student to receive the TTS functionality during testing the functionality will need to be turned on in PAN. To setup a student for TTS the DAC/BAC will have two options.

- The DAC/BAC can enter the information into PAN via the User Interface (UI)
- The DAC/BAC can export a file from PAN, make updates to the student record on the file, and import the file back in to PAN.

Detailed instructions for this are posted in the <u>Text to Speech (TTS) Instructions</u> located on the KYPortal.

Further, it is highly advisable that students and staff practice the new Text-To-Speech system by utilizing the <u>accommodated practice tests</u> which has the Text-To-Speech actively on.

Alternate Testing Environments (i.e. behavioral issues, etc.)

This is a local decision. If the DAC or BAC feel students can handle small group testing, there is nothing that precludes students from testing in small groups. If past behavior has demonstrated the student cannot handle small group testing, then it may be advisable – but not required by KDE – that the student be tested in a one-on-one environment.

KDE leaves testing decisions like this up to local decision makers. BACs and DACs will need to ensure all testing schedules and seating charts accurately reflect the testing environment for each student taking the test.

Stop the Clock

If the student has an accommodation for stopping the clock due to medical concerns, which may or may not appear in a student plan, KDE generally accepts this as a valid state testing accommodation. The student should be tested in a one-on-one environment and the test administrator should keep track of the time used and remaining. Providing additional time would not be permitted unless extended time was identified as part of a student plan.

Interpreter for Students with Deficiencies or Hearing Impairments

KDE works annually to accommodate the needs of the Kentucky School for the Deaf (KSD) and all schools that contact the department needing flexibility in providing resources so American Sign Language (ASL) interpreters can assist students in completing state tests.

To provide this during an online test administration a school would set up the students needing this accommodation into a test session within TestNav. When setting up the test session, use the form group type selection to select the 'Read Aloud' option. This will ensure all students in that testing session have the same form of the test.

The interpreter can then stand in the front of the student(s) and interpret the test. If a school district has circumstances beyond what is covered here, the DAC can contact OAA for further guidance.

ACT Accommodations

ACT does provide online testing however it does not fall under the umbrella of K-PREP testing and is not covered by this manual. All ACT accommodations should be emailed to the ACT accommodations department if the student desires a college reportable score. If a DAC or BAC has specific questions about ACT accommodations that they feel are best directed to KDE first, the DAC or BAC may direct those questions to the Office of Assessment and Accountability.

Online Testing – Technical Information

Contact Information

Policy and General Questions

Kentucky Department of Education Office of Assessment and Accountability Division of Assessment and Accountability Support (502) 564-4394 dacinfo@education.ky.gov

Technical Online Questions Pearson Customer Support (888) 437-1430 Online Contact Form

Network, Routers, Firewall, etc. Kentucky Department of Education Office of Education Technology KETS Service Desk (502) 564-2002

ProctorCache

ProctorCache is designed as a "safety net" for online testing to ensure that student testing and responses are not interrupted or lost from a network outage. The decision to use ProctorCache could be influenced by recent outages, DOS (Denial of service) attacks, large number of simultaneous tests, etc. The choice to use ProctorCache is a local decision, except for Jefferson and Fayette counties, which are required to install proctor caching.

The ProctorCache system can retain multiple test programs on the same server hardware, without interference between different test sessions or test programs. For districts doing online ACT testing, they will use the same ProctorCache as is used for spring time testing. Each test and content area has its own part of the caching system.

Remember to upload the latest version of the test content to the ProctorCache prior to the test window(s).

Outage or Service Interruption

If an outage or other interruption occurs during an online test administration, follow these few steps to achieve a resolution as quickly as possible.

1. Gather Information

When users experience an outage during an online administration, they should gather information that will assist in a resolution. Users reporting issues should be prepared to provide the following information:

- What is the issue? (Gather issue details.)
- What is the duration of the issue? (When did the issue began, how long did the issue persist and is the issue continuing.)
- How many students are impacted? (Specify the number of students involved and if those students are waiting for a resolution.)
- Who should be contacted to help resolve the issue? (Give the contact information, such as name and phone number of the school/district technology support. This person should be onsite to assist.)
 - District/School Technology Coordinator
 - Building Assessment Coordinator (BAC)
 - District Assessment Coordinator (DAC)

2. Contact Service Provider

As soon as the information is gathered, immediately contact Pearson Customer Support to determine if testing can continue or should be delayed to another day.

Emergency Contact List

Pearson Technical Support KY Line: 1-888-437-1430

Contact Kentucky Support

3. Contact the Kentucky Department of Education

While the issue is being reported to Pearson, users should follow up with KDE's technical support to determine if there are Kentucky network issues affecting testing.

KETS Help Desk: (502) 564-2002

4. Contact Division of Assessment and Accountability Support

The DAC and/or BAC should contact the Division of Assessment and Accountability Support via email at dacinfo@eduation.ky.gov. If the outage occurs during active testing, please call (502) 564-4394.

Student Instructions

If a testing session is interrupted during administration due to a technical issue, have student(s) remain in the testing center (computer lab, classroom, library) while the cause of the outage is determined. If it becomes clear that the resolution to the issue will not allow the next session to begin on schedule, students and staff are encouraged to return to the classroom.

The BAC should contact the DAC to report that the schedule will be changed and submit the proposed changes. If additional time outside the scheduled testing window is needed, the DAC will contact KDE for approval.

Emergency Breaks/Fire Drills

Student and staff safety is always the most important factor to consider in these scenarios. In the case of an emergency fire drill, the test session may be paused. See individual test administration manuals for details.

Test administrators should note the time the drill begins in order to track the amount of time that was lost if students are unable to pause their exam. When it is safe to return to the test location, the Proctor will need to reinitiate the session. When the student is ready to resume the exam, he or she will see a prompt to re-enter their credentials or test ticket information. Please refer to the test administration manual for details.

Equipment Malfunction

Proctor should

- Pause student test, if it has not already.
- Move student to another computer. Technical Staff or other designated party may do this step.
- Resume student test from PAN console.
- Note this Test Irregularity for submission to the BAC and DAC.
- Make any other notifications as required by the school.

Testing Equipment Setup and Maintenance

The District Technology Coordinator will receive information from the KETS Engineer or KDE regarding instructions for setup. Some of the information available will be

- Pearson documentation
 - o Technical Requirements
 - o Software Download Instructions
 - User Guides
 - o Pearson Portal Technology Tab
- Kentucky Department of Education
 - o Emails from KETS Engineers
 - o Emails from OAA
 - o Emails from Paul Shoemaker
- District Assessment Coordinators
 - Receive updates via Monday and Special DAC Emails to share with technical and school staffs
 - o Additional trainings from DAAS, including written and video links

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Appendix A

Notes for Technical Staff

Troubleshooting and Assistance:

Pearson Technical Support KY Line: 1-888-437-1430

Online Contact Form

TestNay 8 Technical Documentation

The first stop when dealing with technical issues would be the newly developed <u>Technology</u> Section of the KYPortal. If the answer cannot be found there then continue on with this guide.

TestNav 8 homepage:

https://support.assessment.pearson.com/display/TN/TestNav+8+Online+Support

TestNav 8 System Requirements:

https://support.assessment.pearson.com/display/TN/TestNav+System+Requirements

TestNav 8 Set Up and Use:

https://support.assessment.pearson.com/display/TN/Set+up+and+Use+TestNav

Note:

Only use the TestNav 8 installable apps for the operating systems used in the district. Each version lists single and large deployment options. **DO NOT USE** the browser-based TestNav.

TestNav 8 Network Requirements:

https://support.assessment.pearson.com/display/TN/Network+Requirements+and+Guidelines

Note:

Districts using Lightspeed have these settings installed by Lightspeed, as requested by KDE/OET.

Firewall settings for all districts have been installed as requested by KDE/OET.

For districts using a system other than Lightspeed, please add the URLs from the link above, on the "permit or whitelist" policy rules.

TestNav 8 ProctorCache System Requirements:

https://support.assessment.pearson.com/display/TN/ProctorCache+System+Requirements

Note:

ProctorCache options will be available to all districts as a "safety net" but is not required for operation. Jefferson County and Fayette County are required to ProctorCache due to the scale of their network environment. If the district decides to use the ProctorCache option, the system requirements are listed in the link above.

TestNav 8 ProctorCache Set Up and Use:

https://support.assessment.pearson.com/display/TN/Set+Up+and+Use+ProctorCache

Note:

ProctorCache options will be available to all districts as a "safety net" and is recommended, but is not required for operation. Jefferson County and Fayette County will be required to ProctorCache due to the scale of their network environment. If you decide to use the ProctorCache option, the set up and use are listed in the link above. District technical staff are identified as the administrator of the ProctorCache device and will be responsible for coordinating with District Assessment Coordinators (DACs) and Building Assessment Coordinators (BACs) for the downloading and refresh of test content on the ProctorCache.

Proctor Cache Setup

There is a reference in the Pearson TestNAV and Proctor Cache Set up documents that has led to some confusion. There is note referencing the "assessment management system user guide" This is a generic reference for the Pearson Access Next (PAN) system. A Technology Coordinator will be assigned by the District Assessment Coordinator (DAC) and will be given a user account and password to access PAN. There will be a set of related links on the PAN User Guide landing page that will include additional documentation for TestNAV and Proctor Caching set up. It is recommended that districts having set up or connection issues call Pearson's dedicated KY service desk at 888-437-1430 for a walk-thru and assistance in troubleshooting those issues.

TestNav 8: Additional Information

Chromebooks

When students test using Chromebooks or Chromeboxes, they <u>will not</u> log into the device from the operating system login screen. They will click on the "Apps" tab on the bottom left of the log in screen.



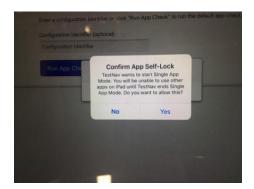


When you click on the "Apps" icon, the TestNav option will appear. Click on the TestNav icon and the program will start in secured mode. The student will then use their assigned test credentials and password to log into the test.



iPads

iPads will operate TestNav by clicking on the icon on the iPad "Desktop", the same as any other application. When TestNav starts on the iPad, a prompt will appear, stating the TestNav program will be running in "Single App Mode". This secures the iPad during the test by not allowing other programs to run while the test is in session. Click "Yes" to proceed to the log in screen and begin the test session.



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Appendix B

Available Tools by Subject in TestNav

Tool	Reading	Mathematics	On-Demand	Editing &	Science	Social
			Writing	Mechanics		Studies
Notepad	YES	YES	YES	YES	YES	YES
Answer	YES	YES	NO	YES	YES	YES
Eliminator						
Highlighter	YES	YES	YES	YES	YES	YES
Passage	YES	NO	YES	YES	NO	YES
Carryover ²						
Ruler	NO	YES ³	NO	NO	NO	NO
Protractor	NO	YES	NO	NO	NO	NO
Straight	NO	YES	NO	NO	NO	NO
Edge						
Calculator	YES	YES ⁴	YES	YES	YES ⁵	YES
Dictionary	NO	NO	YES ⁶	NO	NO	NO
&						
Thesaurus						
Color	YES	YES	YES	YES	YES	YES
Contrast						
Magnifier	YES	YES	YES	YES	YES	YES
Zoom	YES	YES	YES	YES	YES	YES
Control						
Line Reader	YES	YES	YES	YES	YES	YES
Mask						
Answer	YES	YES	NO	YES	YES	YES
Masking						

² Passage Carryover is a passive, always on tool. It cannot be toggled on/off. The feature makes sure the place in the passage is stored so when students toggle between questions or passages, it resumes exactly where the student previously stopped reading.

³ The ruler differs by grade level ranging from 1/8th an inch to 1/16th an inch.

⁴ The calculator differs by grade level. Elementary will only have 4-Function. Middle will only have Scientific. High School has access to 4-Function, Scientific and Graphing calculators based on item.

⁵ Grade 11 will have access to a Scientific calculator.

⁶ The dictionary differs by grade level. Elementary will have access to an elementary level dictionary. Middle will have access to a middle school level dictionary. High school will have access to a High School level dictionary.