



Parent Overview of the NCSC Assessment System: Grade 8

This overview of the National Center and State Collaborative (NCSC) Alternate Assessment explains:

- alternate assessment;
- importance of academic instruction;
- possible instructional supports; and
- ways to work with your child’s teachers.

Alternate Assessment

When you receive your child’s test results, the report will show your child’s score and performance level on the NCSC test. The scores are based on high expectations and these expectations are appropriate for students taking an alternate assessment in this grade. The test was designed using the principles of Universal Design for Learning (UDL) and has built-in supports such as:

- reduced passage length in reading;
- pictures and graphics included to help students understand test content;
- models in reading, writing, and mathematics;
- common geometric shapes and smaller numbers on the mathematics test; and
- the option to have the entire test read aloud.

The alternate assessment is designed to work with the way your child communicates. The teachers will provide all the accommodations included in your child’s individualized education program (IEP), as long as they are consistent with the NCSC assessment policies.

The NCSC test results, reported in the Individual Student Report, may be used to identify areas for needed improvement, as well as areas of strength, so that everyone can work together to help your child. Teachers may use this information to guide their teaching so that students learn the knowledge and skills of the grade-level academic content with appropriate supports.

Your child’s teacher can select and use appropriate NCSC curriculum and instructional resources located at <https://wiki.ncscpartners.org>. The resources provide the skills taught at each grade, explanation of curriculum, and examples of lesson plans and systematic instruction. The NCSC Assessment System provides training for teachers on each of these resources.

Academic Instruction

Changes in our culture, our technology, and our work are happening at a fast pace. There are recognized college, career, and community skills that prepare our children for the world they will live in as adults. This prep-



National Center and State Collaborative

College, Career, and Community Skills

Reading and writing is important to understand books, gather and learn new information, make notes, share thoughts and stories, compare information, read schedules, etc.

Mathematics is important to understand numbers, solve problems, schedule, arrange transportation, manage money, etc.

Communication skills are important to advocate for self, participate in social and educational conversations, express wants and needs, access information, make requests, shop, prepare a meal, etc.

Age appropriate social skills are important to build knowledge and shared experiences with peers in school, the community, and work.

Independent and teamwork are important to build problem-solving skills, understand and follow directions, complete a new task, work with others, and use provided supports.

Skills to access support systems are important to academic instruction, collaborative work with peers, developing independence, requesting assistance, and using appropriate tools (e.g., calculator) to complete a task.

aration requires instruction that is individualized to meet your child's unique needs, focused on skills to communicate, read, write, use mathematics, and develop work skills.

Instructional Supports

Teachers have many tools and techniques to teach academic content. Teachers will provide the supports identified in your child's IEP. This should help your child learn the content and improve his or her knowledge, skills, and abilities, as well as demonstrate them on the test.

The principles of UDL provide flexible approaches for curriculum and are used throughout the NCSC Assessment System to provide support and accommodations as needed for all children, including your child. Teachers can use these same strategies to support your child in learning. For example, in reading, your child may listen to the story read by someone else and answer questions using a communication system. In mathematics, your child might use counters to help solve problems and follow steps that are provided for calculations instead of having to memorize the steps. Supports will be important as your child is introduced to new content.

Additional examples of supports include providing:

- information presented in different ways (e.g., with pictures, manipulatives, and simplified text);
- access to learning materials in different ways (e.g., listening to a story while using a screen reader or a version enhanced with textures, providing word or picture choices);
- different ways to show what your child has learned (e.g., answering using a switch activated recording, presenting using technology, eye-gaze to select words or pictures to write a story); and
- multiple options to engage your child (e.g., providing choices, using topics of personal interest).

You can find more about Universal Design for Learning at <http://www.udlcenter.org>.



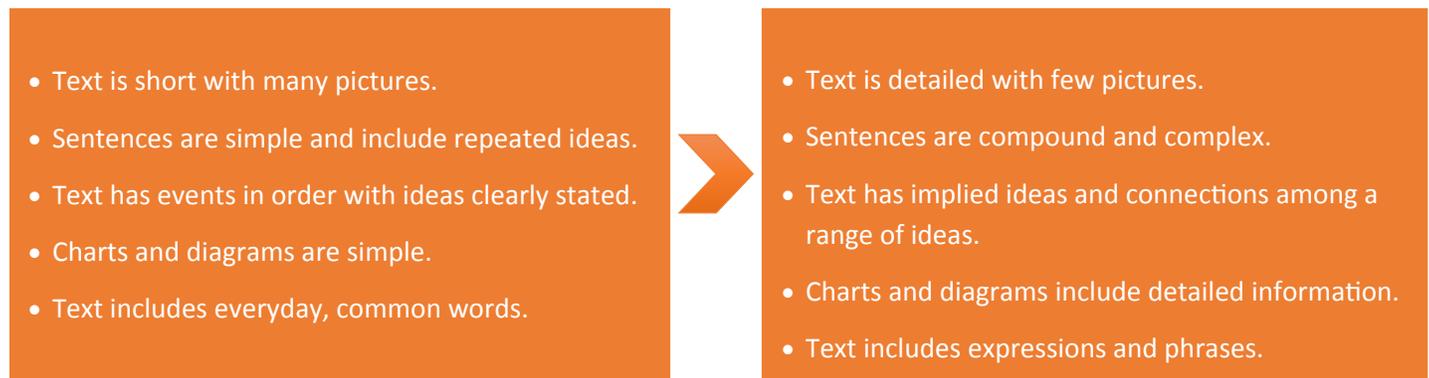
English Language Arts – Grade 8

In middle school, your child’s instruction has an increased focus on informational texts, but still includes enjoying reading or listening to and learning more about literary (non-fiction) texts. Your child will:

- read/listen to stories, plays (e.g., *The Crucible*), poems and informational texts (e.g., biographies, memoirs, historical documents, technical documents, etc.) that may be adapted;
- produce different types of writing: stories, informational, and persuasive; and
- learn communication skills (e.g., classroom discussions and presentations).

The complexity of the stories and informational text your child will read or listen to will increase throughout the school year. The following are a few ways that stories and text become different text.

Range of Text Complexity



Instructional activities should be individualized for your child as needed. For example, to teach how to determine what the author is claiming and the evidence the author uses to support the claim, the teacher reads a persuasive article (e.g., *Driving Age Should Be Lowered*). The teacher projects a chart on the board that has three sections: author’s claim, evidence, and page number. The teacher has the class complete the chart through a class discussion to determine the author’s claim and evidence used to support the claim. Some students provide a response by pointing to the evidence in the text. Some students will choose from provided options. The teacher has students independently complete their own chart using a different article. Some students may listen to a recording of the article; some students may read an adapted version of the article (e.g., two short sentences on each page paired with a picture). Some students may dictate their responses for the chart. Some students may copy from the text.

Teachers often pair reading and writing together. The teacher points to words in the article that the students just read that indicate evidence (e.g., for example, because) and has students brainstorm a list of similar words. The teacher directs the students to choose from a list of topics to write a persuasive article. The teacher provides a graphic organizer and reminds students to use words like the ones on the list they made. Some students may write their article using sentence frames (e.g., I believe _____ because _____). Some students may dictate the information.



ELA Sample Instructional Activities (text complexity increases in each grade)

8th Grade

- Learning the meaning of new academic and content words (e.g., galaxy), and how they affect 8th grade level stories or informational texts
- Understanding how the big idea or central idea of stories and informational text are developed by finding evidence throughout
- Comparing two or more texts to see how the characters' points of view are similar or different and how they affect the story
- Analyzing two or more informational texts that provide conflicting information on the same topic
- Determining the author's claim and evaluating the evidence used to support the claim
- Determining how a text is structured (e.g., cause/effect, chronological order)
- Sharing ideas and information by producing persuasive pieces that include clear reasons, ideas, and evidence; informational pieces using content specific vocabulary; and stories that use language such as imagery (e.g., juicy and sweet) that build understanding and appreciation
- Communicating claims and information to classmates

11th Grade Preview

- Learning the meaning of new academic and content words and why an author uses certain words in high school level texts
- Finding what the two or more big ideas or central ideas of stories are and how they are developed
- Deciding how the author's choice in developing story elements (e.g., characters, details, ideas, events, etc.) affects a text
- Evaluating multiple sources of information to answer a question or solve a problem
- Understanding how the author's use of details and how the author structured parts of the text help the reader gain the meaning
- Identifying the author's point of view or claim and deciding whether the reasoning is correct and the evidence is sufficient
- Sharing ideas and information by producing persuasive pieces that include an appropriate organization of the information, relevant facts, details, and examples; and use appropriate vocabulary and phrases for the type of writing (e.g., imagery for narrative writing)
- Communicating decisions, goals, and action plans
- [Connecticut Literacy/English Language Arts Resources](#), including Family Literacy, ReadWrite Think, Guide to Grammar and Writing and more

Mathematics – Grade 8

In Grade 8, the focus in mathematics is on creating and solving equations about real-world problems, solving problems using positive and negative numbers, studying how changing positions and size affects geometric figures; determining how one angle in a geometric figure affects other angles; calculating volume of three-dimensional objects; using data from different types of graphs; and determining probability. All of these learning activities that you can expect your child to be involved in might be individualized for your child. This allows the skills to be taught, practiced, and learned, so that your child can make progress more easily. Here is a mathematics example that shows how individualization might work.



The teacher is beginning to teach congruency and similarity of geometric figures. Students will be practicing on worksheets the teacher has given them. Some students may work on three transformations (e.g., turns, flips, slides), some students may work on two transformations, and some students may work on one. Some students may have to complete transformations and some students may have to identify what transformation has been completed for them. Some students may have to come up with an answer on their own and some students may choose from several answer choices (some students may choose from four answer choices, some students may choose from three answer choices, and some students may choose from two answer choices).

Mathematics Sample Instructional Activities

8th Grade

- Working with rational and irrational numbers
- Adding, subtracting, multiplying, and dividing fractions, decimals, or positive/negative numbers
- Recognizing and comparing congruent and similar figures; describing scale change on surface area, area, and volume
- Changing a two-dimensional shape using turns, flips, or slides
- Learning about how angles are related to each other (e.g., supplementary, complementary, and adjacent)
- Solving problems involving angle measure, area, surface area, and volume including cylinders, cubes, and spheres
- Solving linear equations; graphing linear functions
- Interpreting information from graphs and plots
- Conduct and analyze probability experiments

11th Grade Preview

- Learning about exponents and scientific notation
- Solving problems with rational and irrational numbers
- Using tools to make geometric constructions
- Solving real world geometric problems by using transformations and finding dimensions of figures
- Graphing and using linear equations to solve geometric problems
- Writing and solving variable expressions that represent word problems
- Identifying, completing, predicting, comparing, and making conclusions from data displayed in graphs and box plots
- Calculate the mean and median of a set of data
- Describing, predicting, and making conclusions about real-world probabilities
- [Connecticut Mathematics Resources](#), including Ask Dr. math, Figure This!, and Math Activities for the Home and more



Families Working with Teachers

Children learn well when teachers and families work together. You can help your child learn when you and his or her teachers share information with each other. You can share how your child learns best and what his or her interests are. It is also important to provide your child with learning activities suggested by the teachers. To do this you should find out what your child's instruction looks like and what your child is expected to learn and do. For example, the activity might be to read and answer questions about a story. The teacher might say the most important part is for your child to answer the questions, which he or she can do after listening to the story instead of reading it alone. Likewise, writing might include the way your child communicates his or her thoughts and ideas. This might be using the computer, assistive technology, or dictation instead of using a pencil and paper.

To see examples of what these supports look like and how teachers may use these supports, go to the NCSC Resources at <https://wiki.ncscpartners.org>. Parents can use the resources on this site to help increase their child's knowledge and skills. The site includes a "Parent Tips and Tools" section that can help parents use the resource materials. These resources help teachers and parents know what content to teach in each grade, suggestions and models for how to teach specific content, and how the content relates to the real world. Working closely with your child's teacher and these resources helps your child to develop college, career and community skills.

NCSC Curriculum and Instructional Resources for Teachers and Parents

- Content Modules (explanation of grade-level content)
- Instructional Families (skills for each grade)
- Curriculum Resource Guide (examples for teaching grade-level content)
- Universal Design for Learning (UDL) Units (model universally designed lesson plans)
- Instructional Resource Guide (instructional strategies)
- Systematic Activities for Scripted Systematic Instruction (samples of intensive instruction: LASSIs for language arts and MASSIs for mathematics)

Summary

As everyone works together to support your child's learning of college, career, and community skills, the NCSC Assessment System provides guidance on the appropriate content and supports. Teachers and families working together will make individualized instruction meaningful and will help your child develop these skills. As you read through this overview and look at your child's test report, please contact your child's teacher if you need more information.