Florida Standards Assessments and FCAT Science

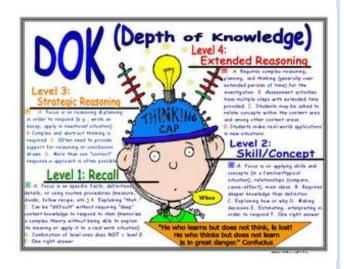
NORMA BUTLER BOSSARD ELEMENTARY





WHAT IS THE FLORIDA STANDARDS ASSESSMENT?

- The FSA is a state assessment that expects students to respond to various types of questions based on the Florida state standards.
- It measures student mastery of grade level standards taught at different levels of complexity.
- The FSA emphasizes critical thinking.



ASSESSMENT CALENDAR

	Writing	Reading	Math	Science
4 th & 5 th grade (schoolhouse)	April 6 th	May 5 th & 6 th	May 13 th & 14 th	
4 th & 5 th grade (MSO)	April 8 th	May 3 rd & 4 th	May 11 th & 12 th	
5 th grade – (MSO & schoolhouse)				May 19 th & 20 th
Time Allotted for each FSA:	One Session: 120 mins.	Two Sessions: 80 mins. each	Two Sessions: 80 mins. each	Two Sessions: 80 mins. each

WAYS YOU CAN HELP YOUR CHILD

- Maintain a good attendance record
- Arrive to school on time
- Avoid picking up your child early from school
- Ensure they have a healthy breakfast to start their day
 - Free Breakfast is provided to all students in the cafeteria until 8:15 a.m.
- Make sure they are completing their homework daily
- Provide access to a computer for their i-Ready lessons
- Do not assist during homework assignments to avoid confusion

I-READY

Supplemental Reading and Math program that has been shown to have a direct correlation to success on the FSA

- Students must complete their individualized requirement of 45, 60, or 75 minutes weekly as determined by the student's diagnostic test level. This means that students may need to complete additional i-Ready sessions at home.
- Has been shown to have a direct correlation to FSA scores
- Students must monitor their time and the number of lessons completed.
 - Remind students to always try their best when working on the program.
- Being used for placement for Middle School
 - Electives will be replaced with additional Reading and Math courses if FSA scores fall below a level 3
 - i-Ready scores are used while FSA scores are being processed





Florida Standards Assessments Scale Scores for Each Achievement Level

The table below includes the final achievement level cut scores established in Rule 6A-1.09422 on January 6, 2016.

Assessment		Level 1	Level 2	Level 3	Level 4	Level 5
English Language	Grade 3 ELA	240-284	285-299	300-314	315-329	330-360
Arts Scale Scores (240-412) for Each	Grade 4 ELA	251-296	297-310	311-324	325-339	340-372
Achievement Level	Grade 5 ELA	257-303	304-320	321-335	336-351	352-385
	Grade 6 ELA	259-308	309-325	326-338	339-355	356-391
	Grade 7 ELA	267-317	318-332	333-345	346-359	360-397
	Grade 8 ELA	274-321	322-336	337-351	352-365	366-403
	Grade 9 ELA	276-327	328-342	343-354	355-369	370-407
	Grade 10 ELA	284-333	334-349	350-361	362-377	378-412
Mathematics	Grade 3 Mathematics	240-284	285-296	297-310	311-326	327-360
Scale Scores (240-393) for Each Achievement Level	Grade 4 Mathematics	251-298	299-309	310-324	325-339	340-376
	Grade 5 Mathematics	256-305	306-319	320-333	334-349	350-388

Questioning Formats

- Multiple Choice
- Multi-Select (more than one correct answer)
- Graphic Organizers
- Response to Multi-Media (Text Features)
- Table Match

Passage Example English Language Arts FSA

Online Learning

1

2

3

5

Learning new things is an exciting part of life. Learning can happen anywhere. There are kids who learn at a school, kids who learn at home and some kids who learn online. Students who learn this way use their computers and the Internet to connect to online classrooms. They use a camera connected to their home computer to let the teacher and other students see them. They can see their teacher and classmates on their screens because their classmates and teacher use a camera, too.

Before the Internet, children in remote places sometimes had classes over the radio or used the mail to get lessons and return them. For example, in the past, children who lived in distant parts of Australia were taught using the radio. Every day at a certain time, they tuned in to a special radio station. All the children could hear their teacher at the same time, but they were hundreds of miles apart. They got their lessons in the mail, did their homework, and mailed it back to the teacher.

Today, students who live far away from their teacher have classes on the Internet. In some online classrooms, a classroom full of kids can use a special computer program at the same time as the teacher. The students can live in one country, and the teacher can be located in a different country. Still, it's just like a classroom at your school. The teacher can teach the kids. The kids can ask questions. Everyone can see and hear everything that's being said as it happens.

It is also possible for students to live in different places and be a part of an online class together. Each person goes to a website for the class they are taking. Thousands of people can watch and listen to this class at the same time. When they want to speak, they can use a microphone to ask and answer questions. When the lesson is completed and all good-byes have been said, the students and teacher in the online class log out. The connection over the Internet is broken, and the online classroom disappears.

Online classes can be held whenever is best for the teacher and students.

Sometimes, they don't have to have a class where everyone is together all at once.

There are classes where all the materials are posted on the website and students can use them whenever they need to. They can write questions and turn in their assignments. They can check back later to see if the teacher has left answers or

EXAMPLE QUESTION FOR ELA FSA

With which two sentences would the author agree?

- Learning is exciting no matter how you do it.
- All students should go to school on the Internet.
- Thousands of students in the same class are too many.
- Online classrooms are a good alternative to regular ones.
- Students in the same class should live close to each other.

EXAMPLE QUESTION FOR ELA FSA

Part A

How has learning from distant places changed over time?

- Students can ask questions and get answers faster.
- ® Students can hear their teacher during the same class time.
- © Students use the mail to receive and send work.
- Students live far apart from their classmates.

Part B

Select one sentence that supports the answer in part A.

- "The students can live in one country, and the teacher can be located in a different country."
- (B) "All the children could hear their teacher at the same time, but they were hundreds of miles apart."
- "They got their lessons in the mail, did their homework, and mailed it back to the teacher."
- "Everyone can see and hear everything that's being said as it happens."
- "Sometimes, they don't have to have a class where everyone is together all at once."

ELA WRITING ASSESSMENT

• The ELA FSA has a Text-Based Writing Component that is administered separately from the rest of the ELA FSA

Testing Dates: April 6th (schoolhouse) & April 8th (MSO)

- Reported **as part** of the ELA score.
- FSA English Language Arts Writing begins in 4th grade and is part of the FSA until 10th grade
- It is administered earlier to allow time for hand scoring.
- Students will have 120 minutes to read multiple sources, plan, write, and revise their writing.
- The sources may include newspaper articles, websites pages, journals, or literary texts like biographies, poetry, fantasy.
- 10-point Rubric: Opinion or Informative

WRITING RUBRIC- 10 POINTS TOTAL

OPINION OR INFORMATIVE PROMPT

Identifying High Standards:

Students will be scored on:

- Purpose, Focus, and Organization(4 points)
- Evidence and Elaboration (4 points)
- ✓ Conventions (2 points)

PFO PURPOSE, FOCUS, AND ORGANIZATION (HIGH STANDARDS: 3+)

4

- Essay is fully focused
- * Clearly states the topic or opinion
- * Effective organization (Introduction, Body, and Conclusion)
- Varied and strong transitional words

EE EVIDENCE AND ELABORATION (HIGH STANDARDS: 3+)

4

- * Convincing support and evidence (Quoting and paraphrasing, giving credit to the author and source)
- Uses of sources, facts, and details
- * Elaboration of ideas- Elaboration is the explanation of the quotes through examples, details, and stories connected to the students' lives.
- Clear expression of ideas Easy to understand
- High vocabulary
- Varied sentence structure

CONVENTIONS C.U.P.S. (HIGH STANDARDS: 2)

2

C – Capitalization

U – Usage of grammar

P – Punctuation

S – Spelling

- Minor errors in CUPS
- No patterns in mistakes

Grade 4 Scoring Sampler Passage Set and Prompt

Read the "Should Students Do Activites to Improve Schools?" passage set.

Should Students Do Activities to Improve Schools?

Source 1: Starting with a Clean Slate . . . and a Lot of Paint!

by Marcia Amidon Lusted

Look at the outside walls of your sc painted? Maybe, but maybe not. For m walls around them are covered with gra But thanks to Operation Clean Slate, kin those ugly walls into something bright a

It all started when a man named Mi noticed a white wall with red graffiti all c graffiti everywhere he went. Howard wa his students why they messed up the w answer surprised him. Writing on walls feeling of recognition, they told him. Frc these kids could do to the walls instead create public art, something beautiful a Slate (OCS) was born. . . .

Eighteen years later, OCS has helpe in the Los Angeles area alone, as well a 24,000 volunteers have helped them. M make their own schools and public buil school to help them paint their own mu 7 to paint and where, and raises the monthem get started. It usually takes anyw mural, and from one to 10 days of paint 8

Murals can be of anything. Not only beautiful, but they also carry important and make kids feel better about their so and make people feel better when they

"Starting with a Clean Slate . . . and a Lot of Paint!" by Maring Company. Reprinted by permission of Carus Publishing

Grade 4 Scoring Sampler Passage Set and Prompt

Source 2: Growing a Schoolyard Garden

adapted from an article by Jeannine Pao

The bell rings. Finally, it's lunchtime. Do you know where your Around the country, there are programs that teach kids to think at their food.

The students . . . created their garden from scratch. In an aba their school, they pulled weeds Under the weeds and junk, ti was not in good condition for growing food. So the students planicover crops. (When these plants grow, they get plowed back into food for the soil. It's like growing your own fertilizer!) The students compost. This rich soil is produced when vegetation (leaves, gras peels, apple cores, and more) rots and breaks down. Adding com to enrich garden soil.

Sure, gardening is hard work. But the students have a lot of fit do they get to play in the dirt, they have to.

But the best part of the garden experience is eating, of course peas in their pods and tomatoes right off the vine. They snack on flowers as they work. (This is safe because the Edible Schoolyard chemical fertilizers or pesticides.) Once food has been harvested students take it to the kitchen classroom. Here, the students do e chopping and cooking to setting the table with tablecloths, silvery from the garden. Each day, the students make delicious, healthy α down together to share what they have prepared. After eating whithey take the kitchen scraps out to the garden where they're used help grow more food.

"Growing a Schoolyard Garden" adapted from an article by Jeannine Pao, from AppleSeeds. Copy Publishing Company. Reprinted by permission of Carus Publishing Company via Copyright Cleara

Source 3: Keep Students Focused on Schoolwork

by Luz Chavez

Having students do jobs around school, such as gardening and painting, sounds like a good idea at first. Students learn how to be responsible. They practice working in groups. They keep the school looking great. However, there are many reasons these jobs should be left to adults.

Students lead busy lives. They have classwork, homework, after-school activities, and chores at home. Many parents are already concerned that their children have too much homework. Teachers often worry about having enough classroom time to teach drepare students. Many kids need tutoring and this extra time spent outside of the classroom would keep them from being able to get help. Students' classroom time is precious. Schools should focus on preparing students for academic success.

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Grade 4 Scoring Sampler Passage Set and Prompt

- Having to do all of that work outside of class would also cut down on a student's time to have fun. Many kids like to unwind by playing video games, watching their favorite TV show, or playing after school sports or other school activities.
- The need for supervision is another reason not to have students do jobs to improve school grounds. Schools don't have to take care of or closely watch adult workers. Adults know to work carefully. They know how quickly or slowly to do a job. They know how to handle different types of tools. They are less likely to hurt themselves or make mistakes.
- A hallway painted by an adult is likely to look better than a hallway painted by a child. Sure, a child can decorate a hallway. But painting a hallway is a job for a professional. Professionals won't leave spots or stains. They won't accidentally paint on windows. Also, it is not the kids' job to clean up the school. While some kids may like this, others will not enjoy it. Students have a job to do well in school. A painter has a job to paint. Kids should not be doing that.
- 4 Yes, school gardens and cleanup efforts, such as picking up trash or painting walls, can teach children the value of work. But with the many dangers these tasks present, the jobs are better left in the hands of adults. When in school, students should focus on learning in the classroom.

"Keep Students Focused on Schoolwork" by Luz Chavez. Written for educational purposes.

Grade 4 Scoring Sampler Passage Set and Prompt

Writing Prompt

The teachers in your school are planning activities for students. Write an essay for your teacher in which you give your opinion about whether students should do activities to improve schools. Use information from the passages in your essay.

Manage your time carefully so that you can

- read the passages;
- plan your response;
- write your response; and
- revise and edit your response.

Be sure to include

- an introduction;
- support for your opinion using information from the passages; and
- a conclusion that is related to your opinion.

Your response should be in the form of a multiparagraph essay. Write your response in the space provided.

reate Something new? Well,

Uah! That hideous, and nasty graffiti on that wall! Now can anyone stand this honrible art. Just looking at it sends shivers down my spine. Somebody has to send some operation to clean this up: (They did but I'll get more into that later) And even worse it's on a valuable school! Man this school Sure needs help! This is why, I think students should be able to improve their schools from activities. To start with if students will be able to paint on the walls, (lesureart not graffiti) it can do many benefits for schools Such as giving schools a Detterlook. You can brighten up the plain old hallways. Gire it that spark of imagination and creativity that's inside of you! Make your School a place where people want to be and make that visit pleasurable. Secondly, morals can paint messages. Such as courage, persaverance, letc. This could lift students fairits when they are feeling down. This reminds me of the fine 1 started the school. The hallways were so dull I couldn't even stand the place! What I diant not know for is that for the first assignment of the school S-1 Score Point 4/4/2

express ourse from in a mo

a bomb of color set of Boom ... Every inch of the school was explading with color. Now this takes me to Operation Clean Slate! This operation Started by a man named Michael Howard. I was at the edge of my seat when I read that Michael Howard's aperation helped paint more than 700 murals. In the text Starting with a Clean Slate and a lot of Paint! Now that's a spark of imagination It wouldn't be fair if I didn't tell you about the way schools are teaching kids about where food comes from and give them the opportunity to Create them. How you ask! Gardens! First of all it can contribute plenty of biology classes and even get a chance to do the things some biologist do. This also is easier said than done. The students have to get muddy but also get a learning experiences. This is like the time I went to Mr. Greens biology class. I remember aetting dirty planting tomathes and carrots. Then harvesting them. The hardest part was the heat though! You can create soil and make something new too with this too. Take (page 3 of 4) Soil richer and filled with

iust use that spark of imagination and treativity again. Now that's down and dirty!

Wow Cool! That Deautiful artwork in this gorgeous school! I sare wish my school could be like this. I almost want to live here! Students should be able to improve their school through activities. How can you disagree!

Score Point 4/4/2

(page 1 of 4)

5th grade

Imagine bright city lights with thousands of Soon enbuck, all those twinkling stars causing problems

Grade 5 2018 ELA Writing

Score Point 4/4/2

(page 2 of 4)

bright cities have more light pollution than

Light pollution is like to the rotten egg in the Light pollution makes the Tights in the

Grade 5 2018 ELA Writing

Score Point 4/4/2

(page 3 of 4)

likely, stopping light pollution would not be too since light is present everywhere, from buildings to cars, but we can help to reduce the pollution. We can prevent light pollution by use brighter lights. However, using bright send up more light particles, brightoning sky by the minute. Brighter lights send dimmer lights and lights that flice downwards help prevent the light pollution, according to "A Light Pollution Study Near You" are present everywhere and are light pollution in the air for our own sake and for animals. Using less bright lights in cities can help us see the beauties of night sky and will help animals to survive.

MATH FSA

Reporting Categories

Grade 3 Mathematics Reporting Categories	% of Test
Operations, Algebraic Thinking, and Numbers in Base Ten	48
Numbers and Operations – Fractions	17
Measurement, Data, and Geometry	35

Grade 4 Mathematics Reporting Categories	% of Test
Operations and Algebraic Thinking	21
Numbers and Operations in Base Ten	21
Numbers and Operations – Fractions	25
Measurement, Data, and Geometry	33

Grade 5 Mathematics Reporting Categories	% of Test
Operations, Algebraic Thinking, and Fractions	39
Numbers and Operations in Base Ten	28
Measurement, Data, and Geometry	33

(Available under the "About the FSAs" link from www.fsassessments.org)

www.FLDOE.org

EXAMPLE QUESTION 4TH MATH FSA

Three classes at Lakeview School are going on a field trip. The table shows the number of people in each class, including the teacher.

They can choose to use buses, vans, and cars.

	Total number of people
Mrs. Ruiz's Class	23
Mr. Yang's Class	25
Mrs. Evans' Class	24



Which three combinations can be used to take all three classes on the field trip?

- 1 bus and 4 vans
- 1 bus and 1 van and 6 cars

- 1 bus and 8 cars
- 2 buses and 3 vans and 4 cars

EXAMPLE QUESTION 4TH MATH FSA

6

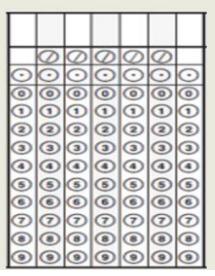


Select all the expressions that have the same value as $30 \div 10$.

- 1 × 3
- □ 10 ÷ 30
- □ 30 × 10
- **☑** 30 ÷ 10 ÷ 1
- \square 30 ÷ (2 ÷ 5)
- \square (30 ÷ 2) ÷ 5

EXAMPLE QUESTION 4TH MATH FSA

Zachary gives boat rides at the beach. His boat can hold a maximum of 9 passengers. A group of 26 children and 10 adults want to go on a boat ride. How many trips will Zachary have to make so that everyone gets a chance to ride on the boat?



Examples Question 4th Math FSA

Compare the values of the bold digits in the numbers 675,**3**18 and 52**3**,941. How many times greater is the value of 3 in the number 523,941 than in 675,318?

Solve the following multiplication equations.

Equation		Product
1.	1,452 x 7 =	
2.	28 x 45 =	
3.	352 x 9 =	

EXAMPLE QUESTION 5TH MATH FSA

Paula has 48 stamps in her collection. Among her stamps, $\frac{1}{3}$ have pictures of animals. Out of her

stamps with pictures of animals, $\frac{3}{4}$ of those stamps have pictures of birds.

How many stamps have pictures of birds on them?

There are stamps with pictures of birds on them.

EXAMPLE QUESTION 5TH MATH FSA

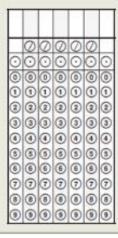
Which statements below describe the numerical expression shown?

$$6 \times (5 + 4)$$

Statement	Yes	No
Six times the sum of 5 and 4		
Six times 5 plus 4		
Add 5 and 4, then multiply by 6		
Six multiplied by the sum of 5 and 4		

EXAMPLE QUESTION 5TH MATH FSA

Mr. Demercado had 1,500 grams of clay to use in his art class. He gave 310 grams to each of 4 groups of students. He put the remaining clay in a container. How many kilograms of clay did Mr. Demercado put in the container?



RESOURCES AND EXTRA SUPPORT

- i-Ready (Reading and Math)
 - 2 years below grade level- 75 mins per week
 - 1 year below grade level 60 mins per week
 - On grade level- 45 mins per week
- MyOn (Reading)
- Reflex (Math)
- Thinkcentral Math

SCIENCE FCAT INFORMATION

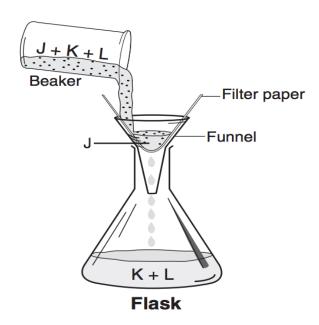
- ☐ Testing Dates: May 19th & 20th
- Multiple choice questions
- ☐ The test is broken up into two sessions
- One 80-minute session per day

SCIENCE FCAT CONTENT

PHYSICAL & CHEMICAL SCIENCES	EARTH & SPACE SCIENCES	LIFE & ENVIRONMENTAL SCIENCES	SCIENTIFIC THINKING
 describes matter & its properties identifies atoms, elements, mixtures, & compounds explains energy, its forms & interaction with matter explains motion & identifies force 	 explains weather systems recognizes rocks & minerals describes the solar system & universe explains Earth's changes over time 	 identifies & explains plants, animals, & life processes recognizes the importance of conservation of natural resources describes the interactions of plants, animals, & the environment 	 applies scientific approaches to problem solving recognizes patterns & systems within nature recognizes the impact of technology on society

SAMPLE QUESTION

Raheem is investigating the properties of several substances. He prepared a beaker containing substances J, K, and L and filtered the contents through a funnel into a flask, as shown below.

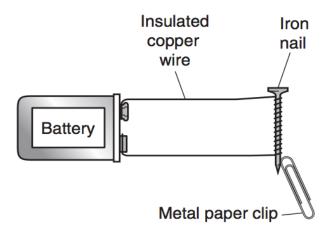


What term **best** describes substances J, K, and L inside the beaker before Raheem poured them through the filter paper?

- A mixture
- B solution
- © compound
- pure substance

SAMPLE QUESTION

2 Tanisha built the circuit in the picture below using a battery, insulated copper wire, and an iron nail. The iron nail has become magnetized by the battery and is attracting a metal paper clip.



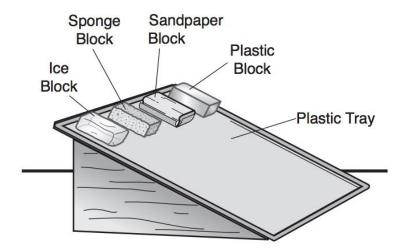
Tanisha's Circuit

Which form of energy caused this nail to become magnetized?

- © electrical
- © heat
- (H) light
- ① mechanical

SAMPLE QUESTION

Felipe and Marsha were studying friction and decided to do an experiment. They placed four equally sized blocks made of different materials on an elevated plastic tray. They watched the blocks move down the tray.



Friction Experiment

Which block would experience the **least** amount of friction as it moved down the tray?

- © Ice Block
- © Sponge Block
- (H) Sandpaper Block
- Plastic Block

FLORIDA STANDARDS INFORMATION SITE

http://fsassessments.org/

