



Reactor Panel Feedback Summary

FCAT 2.0 Science, Biology 1 End-of-Course Assessment, and Geometry End-of-Course Assessment Standard Setting

On September 27-28, 2012, the Department convened a panel of Florida stakeholders (e.g., community/education organization leaders, state university leaders, business leaders, superintendents) to react to the Educator Panel's proposals and to modify the proposed cut scores, if necessary. While the Educator Panel made content-based judgments, the Reactor Panel was asked to focus on the impact of the proposed cut scores using impact data based on 2012 student performance and data from external assessments (NAEP, PSAT, SAT, PLAN, and ACT, in addition to FCAT 2.0 Reading and Mathematics and Algebra 1 EOC Assessment). The Reactor Panel discussed the cut scores and the judgment variation from the Educator Panel and then provided independent ratings for any modifications to the cut scores as their Round 1 judgments. The reactor panel was given the judgment variation score ranges, which are based on standard-setting best practices, as suggested boundaries for their recommendations. Next, the Reactor Panel reviewed the median cut scores from their Round 1 recommendations and impact data and was given an opportunity to model any changes to the cut scores. Before leaving, panelists completed a final survey to indicate their final judgments for the cut scores.

This summary provides all of the feedback from the Reactor Panel. More information about the standard-setting process is available at the <u>FDOE</u> Standard Setting website.

Exhibit 1. Reactor Panel Members

Panel			
Member Number	Name	Company/District/Employer	County Location
1			
	Lisa Chutjian	Take Stock in Children	Dade
2	Kamela Patton	Collier County Public Schools	Collier
3	Sasha Jarrell	Northwest Florida State College	Okaloosa
4	Paul Cottle	Florida State University	Leon
5	Nyleen Rodriquez	George Jenkins High School	Polk
6	Rosanne Arvin	Clay County District Schools	Clay
7	Ted Willard	National Science Teachers Association	Virginia
8	Mike Vitale	Daytona State College	Volusia
9	Joie Cadle	Orange County School Board	Orange
10	Lisa Kunze	St. Johns County School Board	St. Johns
11	Denisse R. Thompson	University of South Florida	Hillsborough
12	Allan Phipps	Florida Atlantic University Laboratory School District	Broward
13	Melissa Kicklighter	Parent of Duval County Public School Student	Duval
14	Morgan Pearson	2012 Graduate-Matanzas High School	Flagler
15	Pam Burtnett	Florida Education Association	Lake
16	Susan Moxley	Lake County Schools	Lake
17	Deborah Leach-Scampavia	The Scripps Research Institute	Palm Beach
18	Scott Southwell	Boeing Corporation	Brevard
19	David Arnold	Big Brothers Big Sisters Association of Florida	Hillsborough
20	Lynn Erickson	Gulf Power Company	Escambia

Exhibit 2. Reactor Panel Judgments for Round 1

Panel	Grad	de 5 FCA	T 2.0 Scie	ence	Grad	de 8 FCA	T 2.0 Sci	ence	Biolo	gy 1 EO	C Assessr	ment	Geometry EOC Assessment			
Member	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
Number	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5
- rainbei	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut
1	175	190	205	221	185	202	208	223	369	389	413	428	377	398	423	434
2	185	200	215	225	185	201	215	226	369	403	423	434	380	403	423	434
3	185	200	215	225	185	201	215	225	369	395	413	428	377	398	423	436
4	185	200	215	225	185	200	215	226	369	389	413	428	380	403	423	434
5	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	436
6	185	200	215	225	185	200	215	225	369	389	413	428	370	393	419	431
7	185	200	215	225	185	200	215	225	369	389	413	428	380	403	423	434
8	185	200	215	225	185	200	215	225	369	389	413	425	377	398	423	436
9	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
10	185	200	215	225	185	202	215	225	369	395	413	429	380	403	423	436
11	185	200	215	225	185	200	215	225	369	400	413	428	380	403	423	434
12	185	200	215	225	185	201	215	225	369	395	413	429	377	398	423	436
13	180	200	215	225	172	200	215	226	370	395	410	425	380	400	415	430
14	185	194	210	226	182	197	215	226	369	395	414	430	380	396	420	434
15	185	200	215	225	185	202	215	225	369	389	413	428	370	393	419	431
16	185	200	215	225	185	200	215	226	369	392	413	428	377	398	423	434
17	185	200	215	225	200	201	215	225	369	394	411	429	380	403	420	430
18	180	195	215	221	180	195	215	223	365	390	413	428	377	396	423	434
19	182	200	213	225	182	200	215	226	369	395	413	428	377	398	423	436
20	175	200	215	225	185	200	215	226	369	395	413	428	380	396	423	436

Exhibit 3. Reactor Panel Round 1: Rationale for Modifying Cut Scores Proposed by the Educator Panel

Panel	Grad	de 5 FCA	T 2.0 Sci	ence	Grad	de 8 FCA	T 2.0 Sci	ence	Biolo	gy 1 EO	C Assessi	ment	Geon	netry EO	C Assess	ment	
Member	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	
Number	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	
	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	
1					-	rove dilig								ourage g			
					teachin	g middle	school s	science.						nent by t			
														g geome	•		
														age stud			
														rectly re		ogical	
						_	+h		_		+h	. th	thinking and analysis. I moved Level 2 to 380 – we				
2		o high 70	% not clo	ose to	Closer	alignmer	it to 5 th a	nd Bio	Closer	alignmer	it to 5 th a	ınd 8'''				_	
	3-10 Rd	dg/Math												make ga	•		
														s current	•		
														& it will §	-		
													students (makes the test			τ	
3													credible)				
3													My comments are general: 1) I do not necessarily feel the test				
														ard, rath	•		
													uted. We				
													the very skills we are trying assess. I am very concerne			_	
														dents wh	,		
														on grad			
													_	st barely		-	
													2 were	not adeo	quately		
													represe	ented wit	h test ite	ems. It	
													seems	the test o	design sh	ould	
														sited inst		_	
														panel a	-		
														ced decis			
								impact data. I feel the ex									
													does no	ot have e	nough st	trata	

Panel	Grad	de 5 FCA	T 2.0 Sci	ence	Grad	de 8 FCA	T 2.0 Sci	ence	Biolo	gy 1 EO	C Assess	ment	Geon	netry EO	C Assess	ment	
Member	Level	rsed passing rate was proportion from and data. The and 8 th grade grown may opinion) have set of differentials with, so I made	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level		
Number	1/2	-	-	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	
	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut ve are m	Cut	Cut	
														the erro	_		
														nic comm			
														nendatio		<i>'</i>	
													test ite	ms. 3) I f	eel some	of the	
													"real w	orld" int	entions o	of some	
														est item			
4	_			l	_		score wil							el 2 and			
						•	ohasis on	l						ogether t			
	physica	il science	2.		physica	l science	2.							ng the Le		n	
5	The ret	ionalo fo	und afta	<u> </u>	Chask		rational		Only 1	shangad	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	+m in a	restores test credibility. The rationale is to keep scores				
5					спеск р	revious	rationale	2		changed upper le					•		
										that are			close to the mean but still provide a spread out of the				
									is not p				levels.				
	the leve	els. Also	, in ordei	r to													
		•	-	•													
	made.	nanges n	ieed to b	е													
6		ed passir	ng rate w	as too	See Gr.	5 note			See Gr.	5 note			See Gr.	5 note			
		•	_		300 31.	2				2				2			
	externa	al data.															
7	The 5 th	and 8 th g	grade gro	up did	d The 5 th and 8 th grade group did				The ged	ometry g	roup did	a good	d I think the Ed Panel in				
	-		-		not (in my opinion) have a				job so I	left all a	s is		Geometry did a good job. I				
	_			to	good set of differentials to								made a small change to the				
		•			work with, so I made recommendations based on								level 2 cut to create a greater				
	recomr	nendatio	ns based	on	recomn	nendatic	ons based	d on					spread, especially since the				

Panel	Gra	de 5 FCA	T 2.0 Sci	<u> </u>									Geor	netry EO	C Assess	ment
Member Number	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut
		ults of ot					her FCA		Cut	Cut	Cut	Cut	spread	betweer	n them w e standar	as
8	minimu	s a need um need nted % m	to achie	ve level	Raise st	andard f	for level	3		gard to d	– no high college	stakes	398 – h passing	igher pe S igher sta	nto level rcentage andard fo	
9	but we	o continu also war ey can be	nt childre	n to	Same ra	ationale			Same ra	ationale				ationale		
10	limited teachir	in the ar in the ar in science g in scien	mount of e & their	time	in MS to be prore trained need to for theil categor be taug	hat they noted. T I feel the be held r teachir ries of sc ht – Nat	ience ne ure, Life,	ss to are ners able ed to		_	d scores oring 3 or			ey have t	achers to co change	
11		ginal per d too hig al data.		_	Physical & Earth. The original percent passing seemed too high in relation to national data.						students ly seeme		I suggested adjusting the 1/2 cut to adjust the percent of students to between Level 1 & Level 2.			
12		o conside ake the e			Students need a strong foundation in science before getting to college or even high school. With comparison to NAEP data and considering other national trends, we need				readine realize studen	ess and h how bes ts. Stude foundati	er collego nelp teac et to prep ents need on. We r	hers oare d a	Need more of a spread to help classify students in level 1, level 2, to help teachers identify where to target instruction.			

Panel	Grad	de 5 FCA	T 2.0 Sci	ence	Grad	de 8 FCA	T 2.0 Sci	ence	Biolo	ogy 1 EO	C Assess	ment	Geon	netry EO	C Assess	ment		
Member Number	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut	Level 1/2 Cut	Level 2/3 Cut	Level 3/4 Cut	Level 4/5 Cut		
	Cut	Cut	Cut	Cut		the bar.		Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut		
13	increas teachin elemer	cical that ed emph ng science ntary scho ncrease c	asis on e in the ool years	s, so we	A stron is impo high scl	g foundartant to hool, so e	ation in s prepare we must	for slowly	importa student them to	r is one of ant scient state to take of considers, so we rescores.	ce classe e to enco er STEM	es for ourage	scores one stu	have a spondering have a spond	sure the pread so uld take a et a three	that a test		
14	Believe that level 5 should only consist of top 10% of student. Overall the passing rate of students, Level 3 and above, should be about 55%. Score increased due to				conside should student	0% of stu ered Leve consist c ts and th be arour	el 5. Leve of the mo e passing	el 3 ost g rate	Level 5 top 10%	should o % of stud contain	ents. Le	vel 3	student about to should received Level 3 most stud of stud than a	ts than L the same be more a Level should o tudents a ents who	contain mevel 5 not amount consist of and the active not be to be to consist of and the active not be to be to consist of and the active not be to be to consist of and the active not be to be to consist of and the active not be to consist of and the active not be to consist of and the active not be to consist of active not active n	ot . It ging to Level 4. the mount lower		
15	alignment with 8 th				Aligned scores with 5 & Biology				require a cours score s expecta will ach to grad cut poi	r is a gracement. As e succes hould be ation that is not es colleg	ofter comesfully, the set with the at least of the atless	e cut the t 50% ry score ne 2/3 that	high number of students should not bear a burden of failure as testmakers. Adjust					
16	We need to continue to raise the bar for student achievement. At the same time, we need to create a				while p	e the rig reparing cience ba & high s	student ockgroun	s to d for	standard is realistic for a transiti graduation standard and realistic						Need to raise the bar to transition to PARCC and be realistic for the graduation requirement.			

Panel	Gra	de 5 FCA	T 2.0 Sci	ence	Grad	le 8 FCA	T 2.0 Sci	ence	Biolo	gy 1 EO	C Assessi	ment	Geon	netry EO	C Assess	ment	
Member	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	
Number	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	
Number	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	
		c transitio								nce area	-						
17		r # level 2	•	•			g for grea			ncern for	_				ering of c		
		ors abou	•		•	•	n for tea			school r				•	h acaden		
		school so			•	student	academ	ics to	_	sociated			I .	-	xpectatio		
		e proficie	•		level 3.					elevance		ege			he level 2	2 & 3	
		leveling	_						entrand	e requir	ement.		_	range.			
	5 % cor	mpared t	o Grade	8										ation of i			
														nent crit			
18		rease % p	•			•	assing, a			e gap be	-	-	To increase % passing, and				
	raise th	ise the bar on Level 4/5.				e bar on	Level 4/	5.	slightly	raise the	e passing	bar.	lower expectations at lower				
		Grade 5 science will have 24%				See page 1 for brief statement							levels. See page 1 for brief statement				
19			-	-	See pag	ge 1 for b	rief state	ement	See pag	ge 1 for b	rief stat	ement	See pag	ge 1 for k	orief state	ement	
		/5. Grade															
	•	t in cons	•														
		5 and inc		0,													
		ve 33% at	•														
	•	ency. Cha to more o	•														
			•	latti													
		FCAT level 4 and above.															
20	Geometry Level 3, Level 4, Level 5 –					els – class	room		Level 3	– reduce	nd % nass	sing	Levels	3 & 1 - r	educe the	e % of	
20	sample test aligned closely w/							7.8		commer		-					
	my classroom/student											P. 11. O1	passing to 59% in light of student's exposure to content.				
	experiences so my expectation				provides much higher exposure n to test material/content so			re exposure o students to content.				Level 2 – reduced cut score					
	•	sing was			expectations for passing should								below range based on % of				
	•	mended o	•		be higher at all levels.							passing newer content.					

Exhibit 4. Reactor Panel Round 1: Median Cut Scores

	Grade 5 FCAT 2.0 Science	Grade 8 FCAT 2.0 Science	Biology 1 EOC Assessment	Geometry EOC Assessment
Level 1/2 Cut	185	185	369	377
Level 2/3 Cut	200	200	395	398
Level 3/4 Cut	215	215	413	423
Level 4/5 Cut	225	225	428	434

Exhibit 5. Reactor Panel Round 1 Comfort Level By Panelist

Panel	Grade 5 FCAT 2.0 Science	Grade 8 FCAT 2.0 Science	Biology 1 EOC Assessment	Geometry EOC Assessment
Member	How comfortable are you with			
Number	the median cut scores?			
1	Somewhat Uncomfortable	Somewhat Comfortable	Very Comfortable	Very Comfortable
2	Very Comfortable	Very Comfortable	Very Comfortable	Very Comfortable
3	Somewhat Comfortable	Somewhat Uncomfortable	Somewhat Comfortable	Somewhat Uncomfortable
4	Very Comfortable	Very Comfortable	Somewhat Uncomfortable	Somewhat Uncomfortable
5	Very Comfortable	Somewhat Comfortable	Very Comfortable	Very Comfortable
6	Somewhat Uncomfortable	Somewhat Uncomfortable	Very Comfortable	Somewhat Comfortable
7	Very Comfortable	Very Comfortable	Somewhat Comfortable	Somewhat Comfortable
8	Somewhat Comfortable	Somewhat Comfortable	Very Comfortable	Very Comfortable
9	Very Comfortable	Very Comfortable	Very Comfortable	Very Comfortable
10	Somewhat Comfortable	Very Uncomfortable	Somewhat Uncomfortable	Somewhat Uncomfortable
11	Very Comfortable	Very Comfortable	Very Comfortable	Somewhat Comfortable
12	Very Comfortable	Very Comfortable	Somewhat Comfortable	Somewhat Comfortable
13	Very Comfortable	Somewhat Comfortable	Very Comfortable	Very Comfortable
14	Very Comfortable	Very Comfortable	Very Comfortable	Very Comfortable
15	Very Comfortable	Very Comfortable	Very Comfortable	Very Comfortable
16	Very Comfortable	Very Comfortable	Somewhat Comfortable	Very Comfortable
17	Very Comfortable	Somewhat Comfortable	Somewhat Comfortable	Somewhat Comfortable
18	Very Comfortable	Very Comfortable	Very Comfortable	Very Comfortable
19	Very Comfortable	Very Comfortable	Very Comfortable	Very Comfortable
20	Very Comfortable	Very Comfortable	Very Comfortable	[blank]

Exhibit 6. Reactor Panel Round 1 Comfort Level Summary Standard Setting Reactor Panel Survey "How comfortable are you with the median cut scores?" 100% 90% 80% 58% (11) 70% 60% (12) 65% (13) 75% (15) 60% ■ Very Comfortable 50% Somewhat Comfortable ■ Somewhat Uncomfortable 40% ■ Very Uncomfortable 30% 26% (5) 25% (10) 25% (5) 20% 15% (3) 10% (2) 10% 16% (3) 15% (2) 10% (2) 5% (1) 0% Grade 5 FCAT 2.0 Grade 5 FCAT 2.0 Biology 1 EOC **Geometry EOC**

Assessment

Assessment

Science

Science

Exhibit 7: Reactor Panel Round 2 Ratings: Changes Recommended to Median Scores from Round 1 (Changes highlighted)

Panel			T 2.0 Scie				T 2.0 Scie				C Assessr			netry EO	C Assess	ment
Member	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
Number	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5	1/2	2/3	3/4	4/5
Number	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut	Cut
1	175	195	215	225	185	200	215	225	369	395	413	428	377	398	423	434
2	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
3	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
4	185	200	215	225	185	200	215	225	369	389	413	428	377	403	423	434
5	185	200	215	225	185	195	215	225	369	395	413	428	377	398	423	434
6	185	196	215	225	185	196	215	225	369	395	413	428	377	393	415	434
7	185	200	215	225	185	200	215	225	369	395	413	428	380	398	423	434
8	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
9	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
10	187	202	215	225	187	203	215	225	369	395	413	428	377	398	423	434
11	185	200	215	225	185	200	215	225	369	395	413	428	377	400	423	434
12	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
13	185	200	215	225	185	195	215	225	369	395	413	428	377	398	423	434
14	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
15	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
16	185	200	215	225	185	200	215	225	369	392	413	428	377	398	423	434
17	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
18	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434
19	185	200	215	225	182	200	215	225	369	395	413	428	377	398	423	434
20	185	200	215	225	185	200	215	225	369	395	413	428	377	398	423	434

Exhibit 8. Reactor Panel Round 2 Comments: Rationale Provided for Modifying the Median Cut Scores from Round 1

Panel Member	Comments (Subject/Grade included if specified)
Number	
	Grade 5 FCAT 2.0 Science: I believe the cuts at Levels 2 and 3 should be lowered. Instruction at this time has not caught up with
	achievement; a heavy concentration on literacy and mathematics will not allow for a stringent pursuit of science education. In
	middle school, however, science becomes increasingly important and 8 th grade scoring should require improved performance to
1	enable our students to acquire skills, knowledge and <u>interest</u> in pursuing the sciences as a gateway to focusing college preparation in STEM fields we need as a state, nation, and society.
2	None
	Geometry EOC Assessment: I believe the level 2 cut score should be moved up to fall in line with the educator's panel
3	recommendation. <u>OR</u> I believe the test items should be reviewed to include additional items in the level 1 - 2 range.
	Biology 1 EOC Assessment: Raising the graduation requirement (Level 3 cut) in biology will accelerate the redirection of physical
	science instruction resources to biology remediation. Geometry EOC Assessment: The Level 3 cut score can be seen as an
	intermediate step on the way to the Common Core geometry standards and the PARCC assessment. Selecting a Level 3 cut score of
4	398 would leave too big a jump to PARCC.
	Grade 8 FCAT 2.0 Science: After reviewing the FCAT Science 8 th grade, I believe the test is very hard in terms of the reading content.
5	By lowering the cut score, I believe there will be a chance at helping those low scorers to hopefully achieve.
	Grade 5 FCAT 2.0 Science: Level 1/2 %age is currently too high – needs to be lower. Level 3 %age is currently too low, should be
	about 35%. Same notes for Grade 8. Geometry EOC Assessment: Level 1/2 %age should be about 41%; increase Level 3 cut so there
6	are 30%.
7	Biology 1 and Geometry EOC Assessment: Saw no reason to deviate from the educator recommendations.
	Biology 1 EOC Assessment: I don't believe there can be a "college ready" level established until a cohort is followed into college and
	their success level documented. Geometry EOC Assessment: The justification for lowering the L2 score was to put more students
	below level 3 into the level 2 category. The belief is that students in level 2 would see a realistic chance to achieve level 3 but a level
	1 would feel that chance of success is very low. The college level designation needs to be correlated with PERT and future college
8	successes.
	Grade 8 FCAT 2.0 Science: Science 8 – is higher % because of the need to focus on the need for basic understanding to move to
9	testing in higher science and math EOC. Crade F FCAT 2 0 Sciences Science peeds to be emphasized more to proper students for secondary level. Crade 8 FCAT 2 0 Sciences.
	Grade 5 FCAT 2.0 Science: Science needs to be emphasized more to prepare students for secondary level. Grade 8 FCAT 2.0 Science: Students take 3 yrs of science. I feel that we need to expect more. Biology and Chemistry or Physics is now required for graduation.
	We must put emphasis on MS science to provide the background needed for HS. Geometry EOC Assessment: I feel that we should
	follow the educator panel. The teachers are saying more should be expected of the students than we are. If we want to improve
10	instruction & prepare students for upper level math courses we must place importance on this exam.
	modification at property statement of appearance material and mode process importance on this examination

Panel Member Number	Comments (Subject/Grade included if specified)
	Geometry EOC Assessment: Given the complexity of geometry and the importance of success in geometry for further success in
	school mathematics, students should reach a somewhat higher level of success. The revised scores are more in line with
11	recommendations of the educator panel who had an opportunity to review content alignment.
12	None
	Biology 1 EOC Assessment: I do not believe that the jump in cut score from level 2 to 3 is appropriate for the teachers and students to
13	bring the level of instruction and achievement up to pass, especially without more specific data regarding FCAT 2.0 results from 2012.
14	None
15	None
	Biology 1 EOC Assessment: This assessment acts as the indicator for meeting the graduation requirement for science. Level 3 indicates satisfactory level of performance for all students to graduate and are on the road to being college ready. My recommendation is based on this philosophy. It is important to keep rigor and a realistic graduation requirement in balance since it is for <u>all</u> students. More discussion is needed to really determine what is the performance level for college ready and how does that
16	predict success in college.
17	None
18	None
19	None
20	None