P.E.R.T. Diagnostic Instruction Manual

June 4, 2012

Contents

Introduction:

What is the P.E.R.T. Diagnostic?

The P.E.R.T. Diagnostic is another component of the P.E.R.T. assessment system. While the P.E.R.T. Placement determines appropriate course placement, the P.E.R.T. Diagnostic identifies, by competency, where skill deficiencies exist. The goal of the P.E.R.T. Diagnostic is to allow faculty to target instruction to specific competencies not yet mastered by the student. An upper and lower level P.E.R.T. diagnostic test has been developed to align with the Developmental Education Competencies which are the basis for developmental education courses offered at all Florida College System institutions. For students who do not meet the college-ready cut score, a P.E.R.T. Diagnostic may be administered and results used to guide instruction.

What are the P.E.R.T. Diagnostic Names?

Upper and lower level diagnostics were created for each P.E.R.T. subtest.

Upper Level Names:
PERT Diagnostic Math (U)
PERT Diagnostic Reading (U)
PERT Diagnostic Writing (U)

Lower Level Names:
PERT Diagnostic Math (L)
PERT Diagnostic Reading (L)
PERT Diagnostic Writing (L)

How Many Questions are on the P.E.R.T. Diagnostics?

 Each P.E.R.T. Diagnostic test has 50 items and there is one test form for each subject area and level.

What is the Question Format?

All test questions are in a multiple choice format. The Reading Diagnostic includes passages that students will need to read in order to answer questions. The Mathematics Diagnostic **does not** include a built-in calculator.

P.E.R.T. Diagnostic Assessment Content:

Competencies

Lower Level Reading Diagnostic

Competency ID	Competency Description	Number of Items
RDELCC1	Distinguish between facts and opinions	5
RDELCC2	Identify the author's primary purpose as persuade, inform, or entertain	5
RDELCC3	Identify specific information in a paragraph	5
RDELCC4	Distinguish between major and minor details in a paragraph	5
RDELCC5	Identify the topic and stated/implied main idea in a paragraph in print and online	5
RDELCC6	Identify and use context clues to determine the meaning of words in simple sentences	5
RDELCC7	Identify logical inferences and conclusions based on the evidence provided in a paragraph	5
RDELCC8	Identify the following primary patterns of organization in a paragraph such as time order, simple listing, and generalization/definition and example	5
RDELCC9	Identify the transition words that are associated with each pattern	5
RDELCC11	Recognize relationships within/between sentences	5
		50

Upper Level Reading Diagnostic

Competency ID	Competency Description	Number of Items
RDEUCC1	Evaluate the author's use of facts and opinions	5
RDEUCC2	Analyze the author's primary purpose	5
RDEUCC3	Identify the topic and stated/implied main idea in a multi-paragraph selection in print and online	5
RDEUCC4	Use contextual clues and structural analysis to clarify meanings and broaden academic vocabulary	5
RDEUCC7	Distinguish between major and minor details in a multi-paragraph selection	5
RDEUCC8	Identify relationships between and/or within sentences	5
RDEUCC9	Determine the primary and secondary patterns of organization for a paragraph and multi-paragraph selection	5
RDEUCC11	Analyze the author's tone and support with examples, including denotative, connotative meaning, and figurative language	5
RDEUCC12	Detect bias	5
RDEUCC14	Analyze the details to infer what the author is implying and draw logical conclusions in a paragraph and multi-paragraph selection	5
		50

Lower Level Mathematics Diagnostic

Competency ID	Competency Description	Number of Items
MDELCC4	Perform operations with integers (with applications)	5
MDELCC5	Perform operations with fractions (with applications)	5
MDELCC6	Perform operations with decimals (with applications)	5
MDELCC7	Convert among percents, fractions, and decimals	5
MDELCC12	Simplify fractions	2
MDELCC13	Perform operations on whole numbers (with applications, including area and perimeter)	5
MDELCC18	Define variables and write an expression to represent a quantity in a problem	3
MDELCC20	Simplify algebraic expressions involving one variable (2x + 5x)	5
MDELCC21	Perform order of operations	5
MDELCC22	Solve linear equations involving the addition and multiplication property of equalities	5
MDELCC24	Evaluate exponents with integers	5
		50

Upper Level Mathematics Diagnostic

Competency ID	Competency Description	Number of Items
MDEUCC3	Apply the order of operations to evaluate algebraic expressions, including those with parentheses and exponents	5
MDEUCC8	Solve literal equations for a given variable with applications	3
MDEUCC9	Solve linear inequalities in one variable and graph the solution set on a number line	3
MDEUCC10	Graph linear equations using table of values, intercepts, slope intercept form	5
MDEUCC11	Solve linear equations in one variable using manipulations guided by the rules of arithmetic and the properties of equality	6
MDEUCC12	Simplify an expression with integer exponents	5
MDEUCC15	Add, subtract, multiply, and divide polynomials. Division by monomials only. *(Does not include division by binomials)*	6
MDEUCC16	Simplify radical expressions - square roots only	3
MDEUCC17	Add, subtract, and multiply square roots of monomials	3
MDEUCC18	Factor polynomial expressions (GCF, grouping, trinomials, difference of squares)	6
MDEUCC19	Solve quadratic equations in one variable by factoring	5
		50

Lower Level Writing Diagnostic

Competency ID	Competency Description	Number of Items
WDELCC1	Sustain focus on a specific main idea for a single paragraph	5
WDELCC2	Demonstrate a basic command of grammar (verb tense, verb forms, verb shifts)	6
WDELCC3	Demonstrate a basic command of usage (pronoun, syntax, appropriate words and phrases, commonly confused words)	8
WDELCC4	Demonstrate a basic command of mechanics (punctuation, spelling, caps)	6
WDELCC5	Provide supporting details for main idea with relevant explanations and examples, in a single paragraph	5
WDELCC6	Select and narrow a topic that addresses the specific purpose	4
WDELCC7	When writing use complete sentences / recognize fragments	6
WDELCC8	Recognize run-ons (comma splices and fused sentences)	5
WDELCC9	Maintain agreement between subjects and verbs	5
		50

Upper Level Writing Diagnostic

Competency ID	Competency Description	Number of Items
WDEUCC1	Demonstrate a command of grammar (verb tense, verb forms, verb shifts)	8
WDEUCC2	Demonstrate a command of usage (syntax, appropriate words and phrases, commonly confused words)	5
WDEUCC3	Demonstrate a command of mechanics (punctuation, spelling, capitalization)	6
WDEUCC4	Identify effective transitional devices within the context of a passage	4
WDEUCC5	Use coordination and subordination effectively	5
WDEUCC6	Use pronouns correctly (case, agreement, shifts, reference)	5
WDEUCC7	Use adjectives and adverbs correctly, including degree forms	5
WDEUCC8	Identify fragments, comma splices, and fused sentences	6
WDEUCC9	Maintain agreement between subject and verb	6
		50

Diagnostic Setup:

Test Settings:

Step 1: Login-The Institution Administrator (IA) will log into his/her account by going to www.college.measuredsuccess.com. Note: Settings created by the IA are inherited to all sites.

Step 2: Create Diagnostic Test Settings- The IA will select the 'Test Setup' tab.

Step 3: Create Diagnostic Test Settings- Select the 'Test Settings' tab.
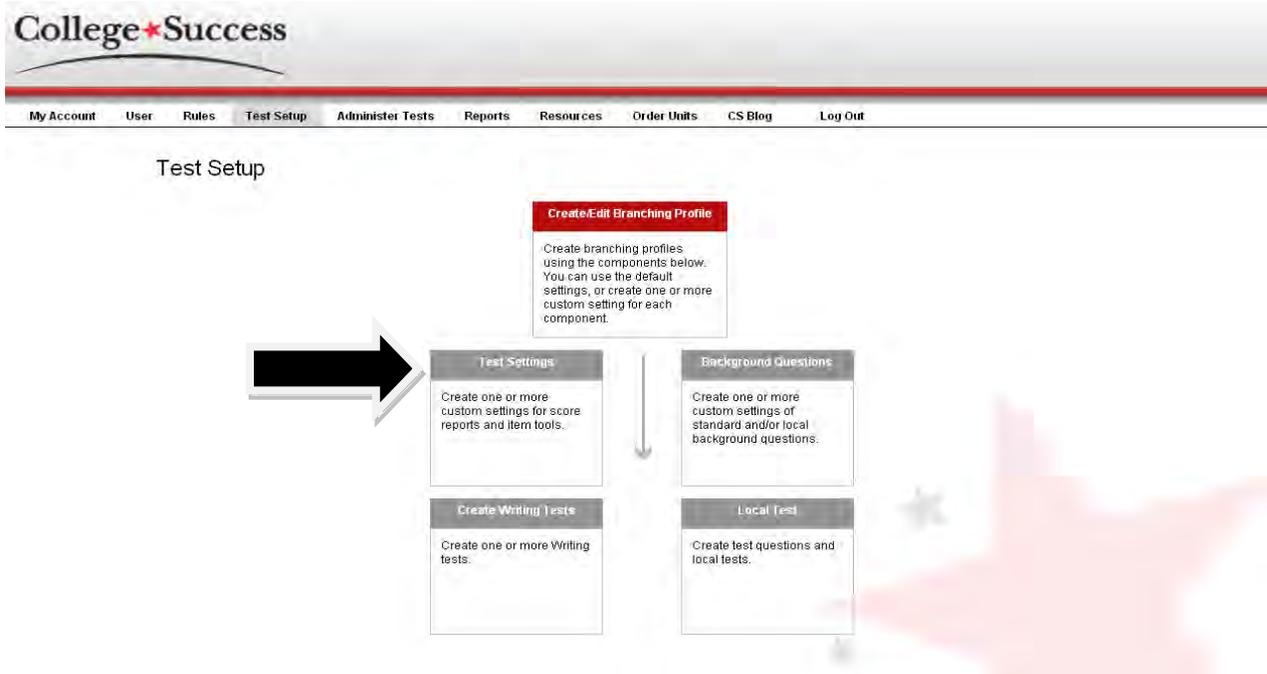
Step 4: Create Diagnostic Test Settings- Click 'Create New Settings.'

Step 5: Create Diagnostic Test Settings- Name the test settings and click 'Save.'
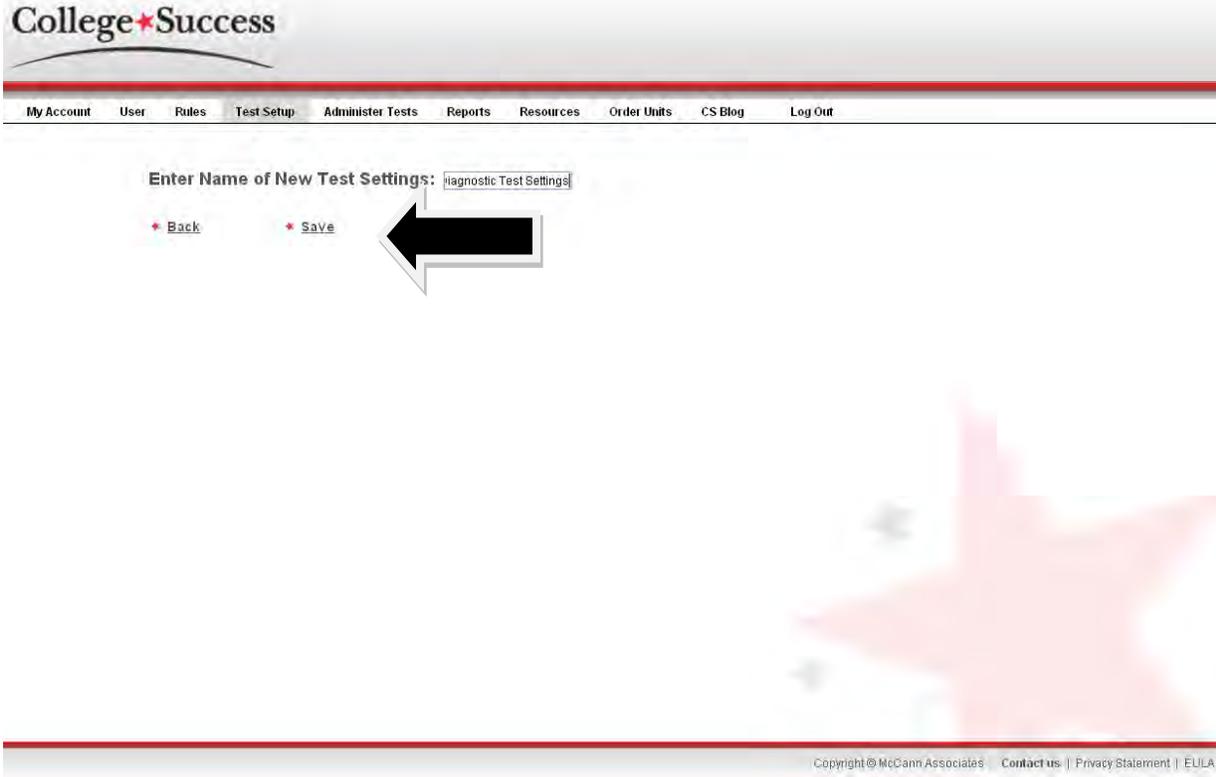
Step 6: Create Diagnostic Test Settings- Click on 'Select/Edit Score Report Settings.'
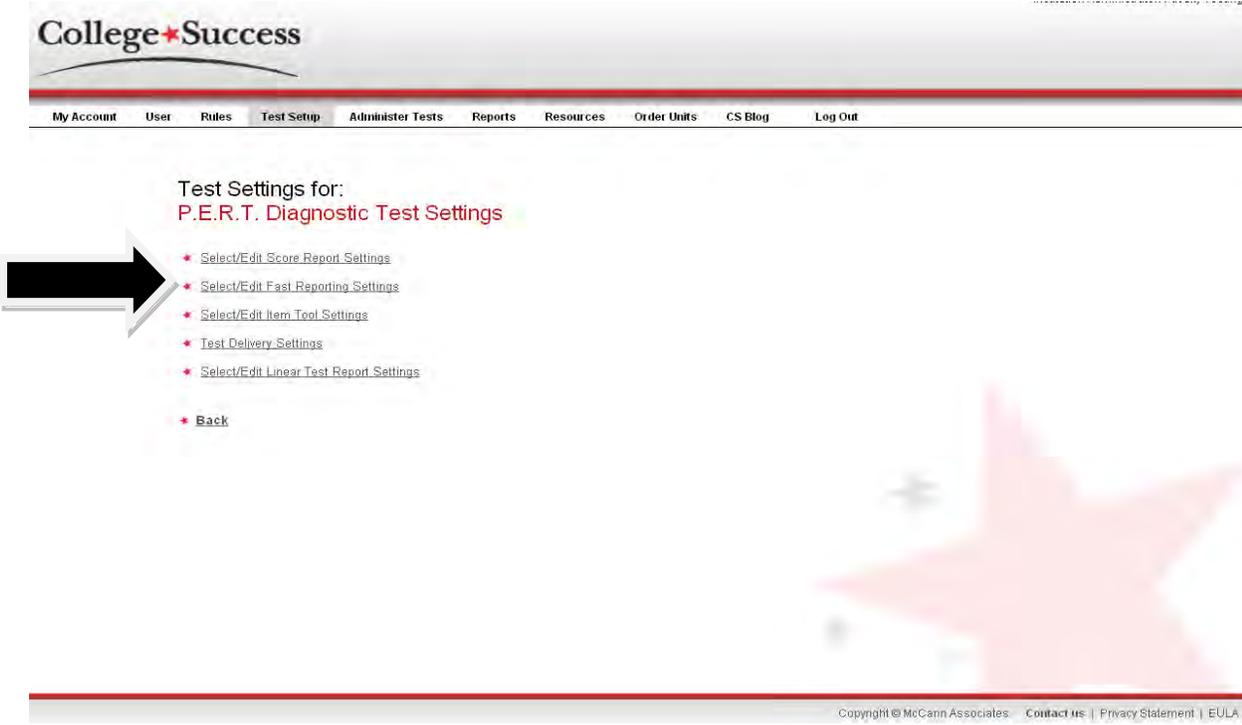
Step 7: Create Diagnostic Test Settings- Select the test settings that you would like active or inactive at the end of a score report and click 'Save.' Note: indicating 'Yes' for 'Require proctor password for end of the test report' will prompt the proctor to enter his/her password before the score report can launch.

Step 8: Create Diagnostic Test Settings- Click on 'Select/Edit Item Tool Settings.'

Step 9: Create Diagnostic Test Settings- Select the item settings that you would like delivered with diagnostics and click 'Save.' Note: Calculator is not available for P.E.R.T. Math Diagnostics.
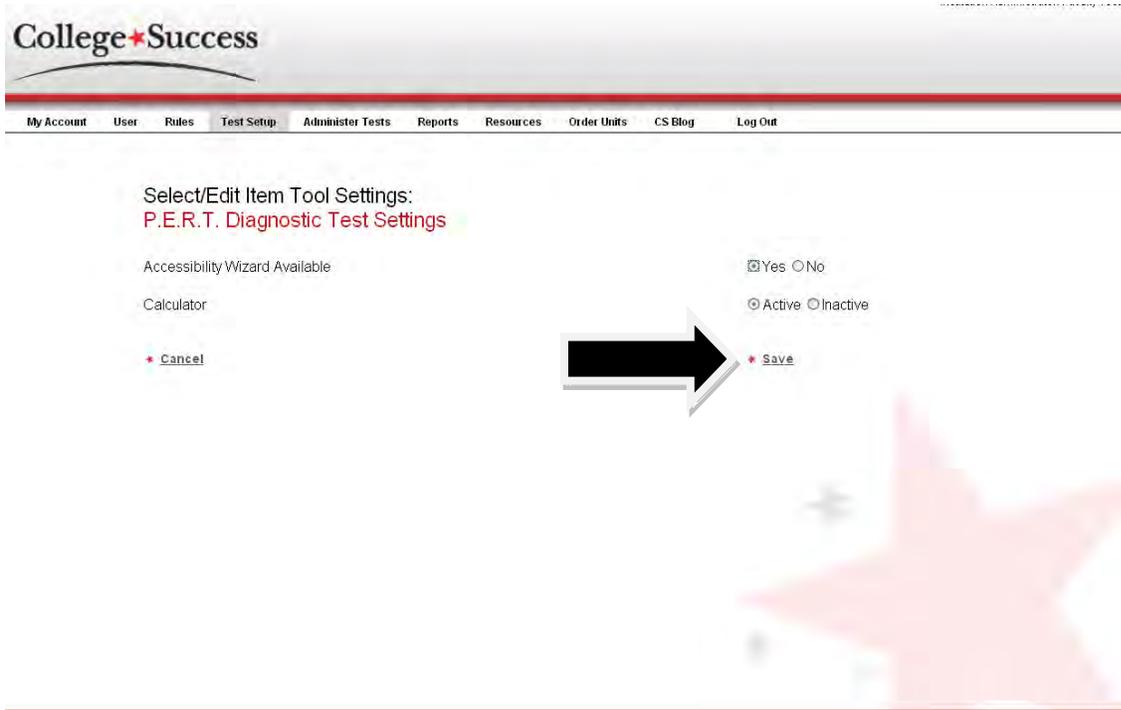
Step 10: Create Diagnostic Test Settings- Select 'Test Delivery Settings.'
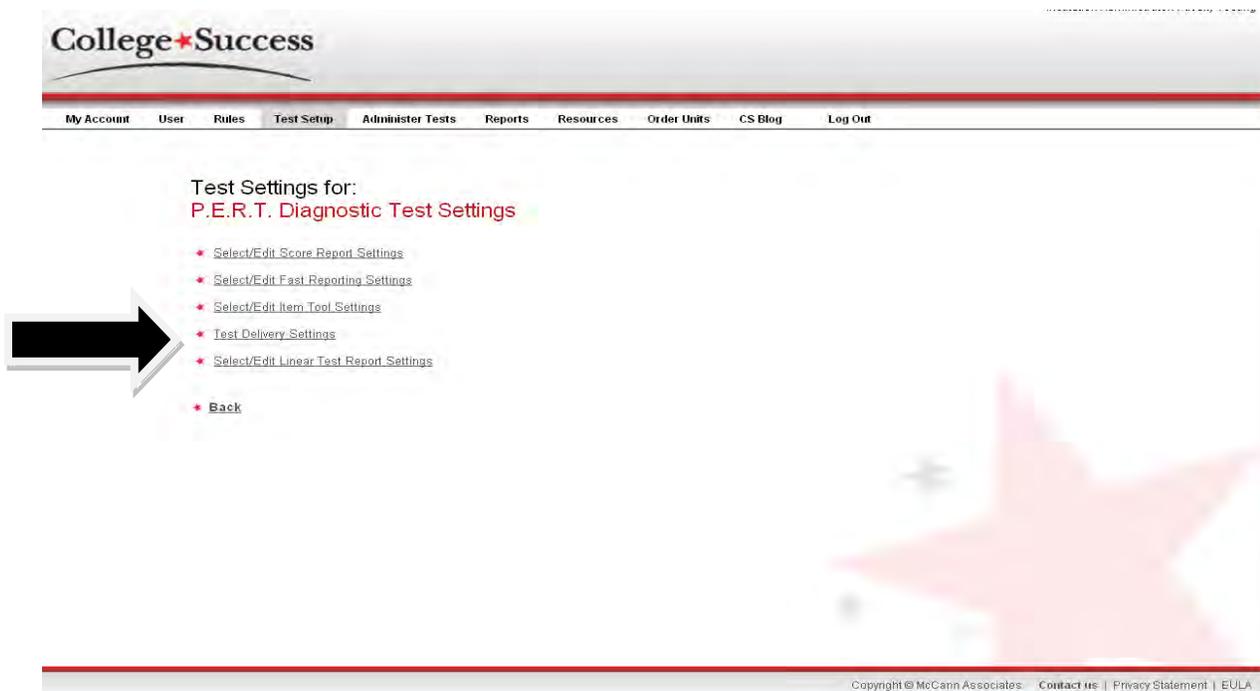
Step 11: Create Diagnostic Test Settings- Select if you want 'Save and Finish Later' enabled and 'Save.' Note: Word count does not apply to P.E.R.T. diagnostic tests.
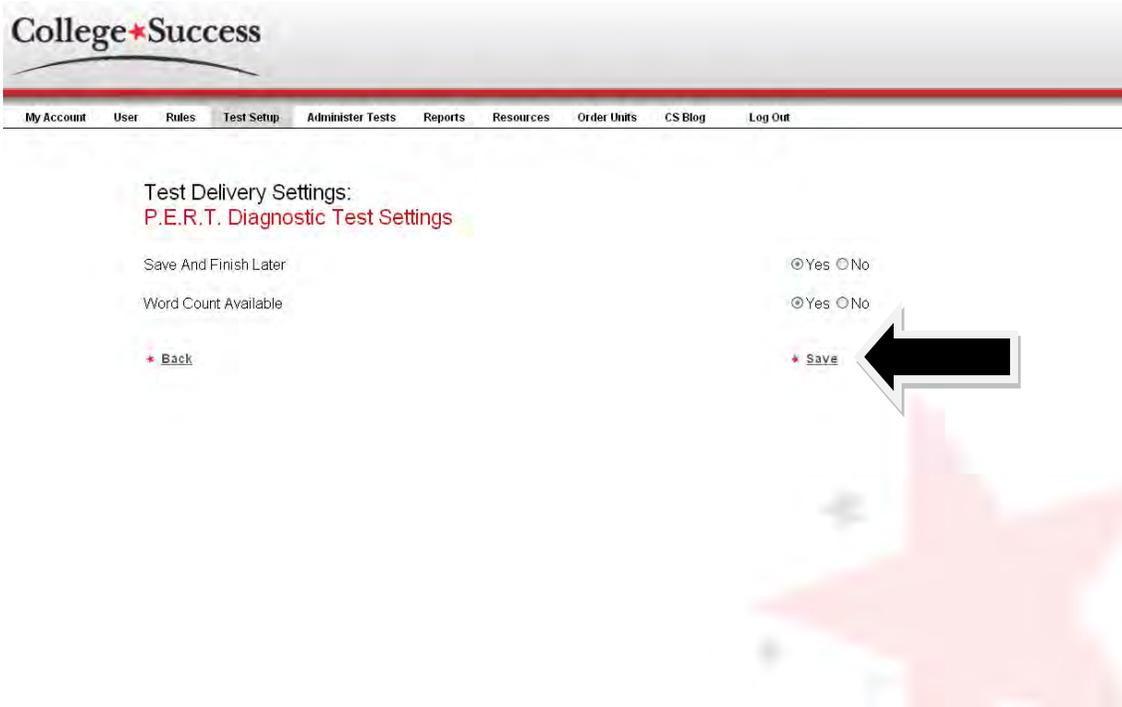
Step 12: Create Diagnostic Test Settings- Click 'Select/Edit Linear Test Report.'
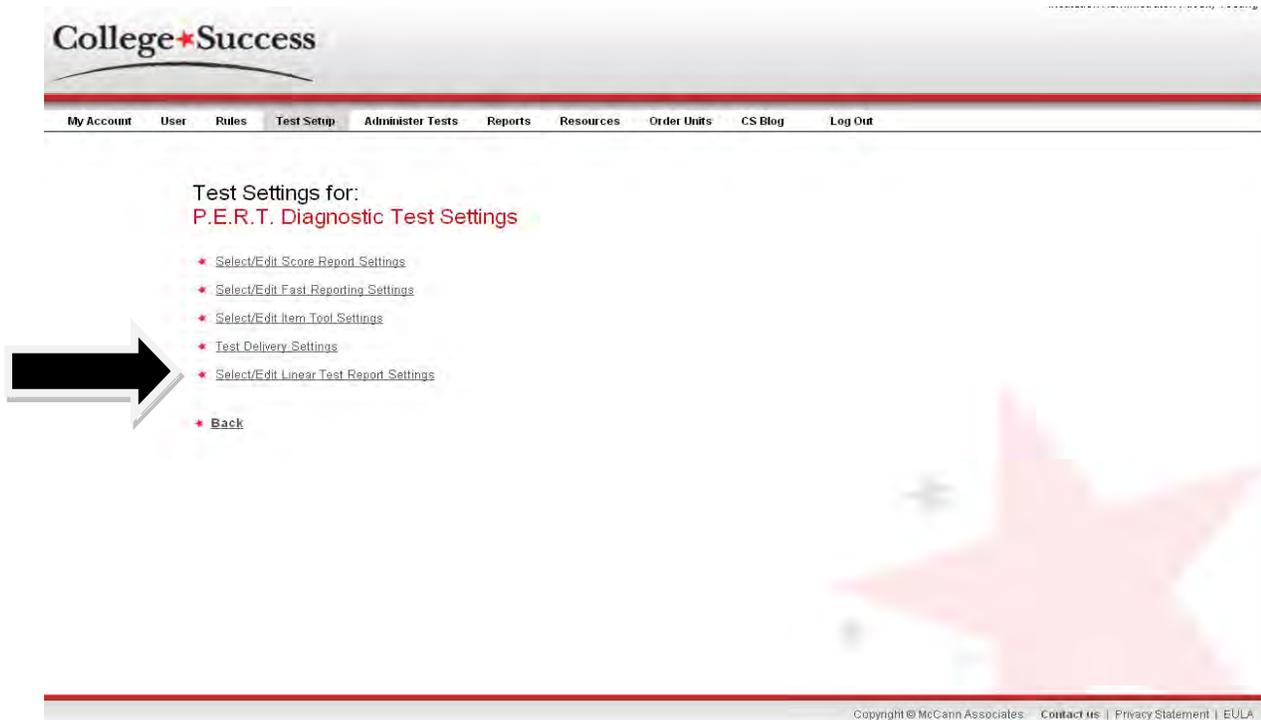
Step 13: Create Diagnostic Test Settings- Select 'Yes' for 'View Linear Test report' and 'No' for 'View items on Linear Test report.' By selecting 'No' this prohibits the student from viewing the item on the report and eliminates exposing items if the report is printed out. **This feature should always be set to 'No.'** Finally, select whether you want iSEEK enabled on the score report. iSEEK is an education targeted search engine, containing 200,000+ authoritative resources from universities, government organizations, and other trusted providers of quality content. Enabling iSEEK allows for the student to obtain resources immediately on areas he/she may be deficient it.
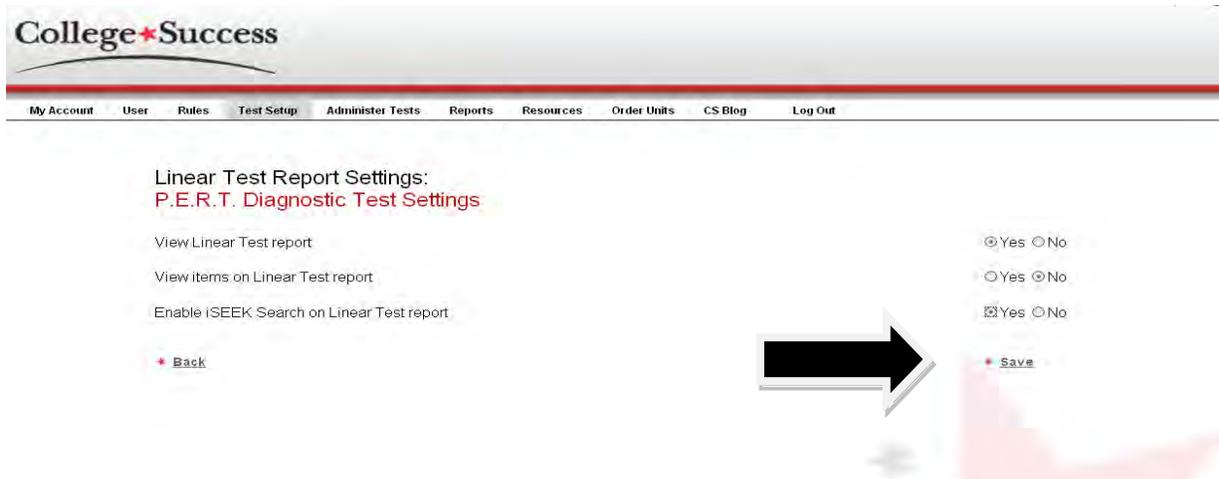
Diagnostic Setup:

Branching Profiles:

Step 1: Branching Profile Setup-From the 'Test Setup' screen, select 'Create/Edit Branching Profile.'
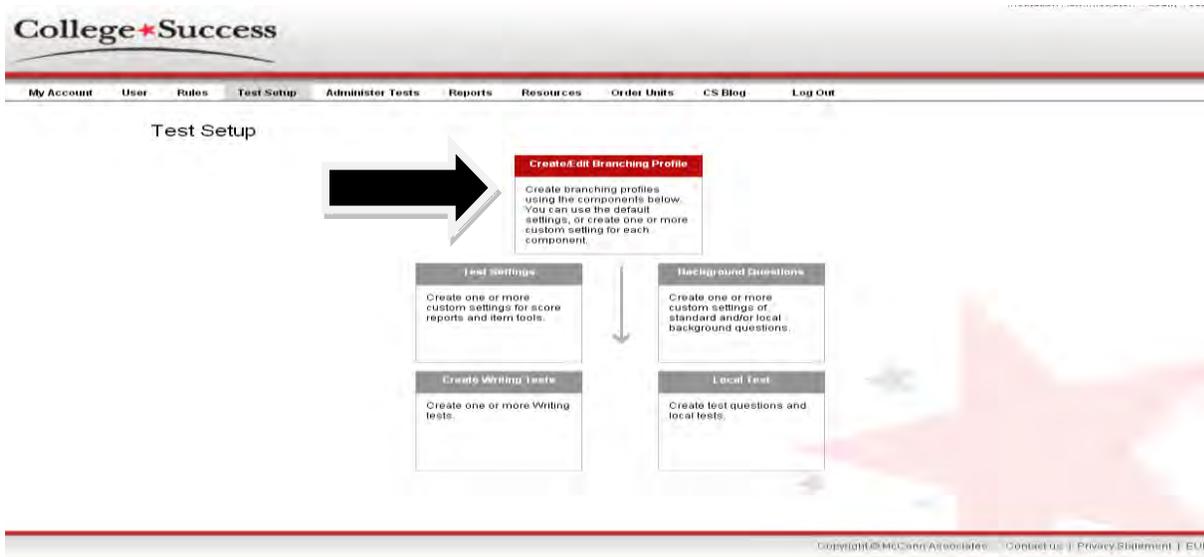
Step 2: Branching Profile Setup- Select 'Create New Profile.'
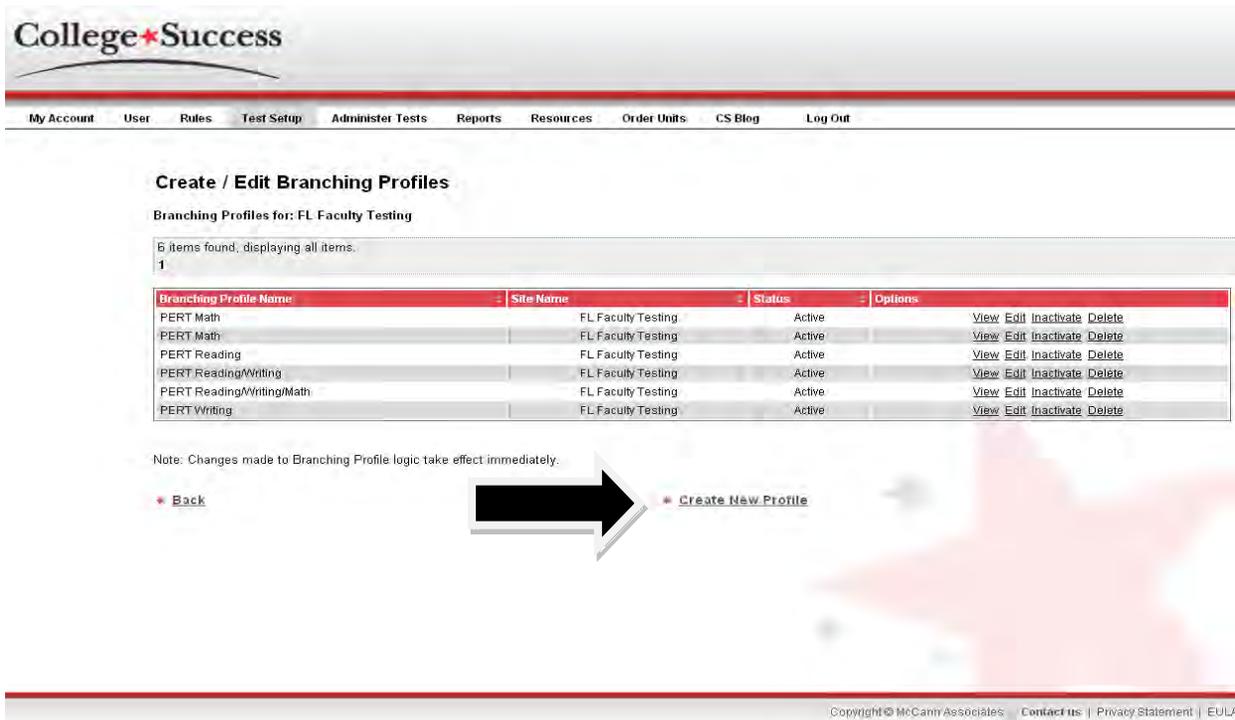
Step 3: Branching Profile Setup- Enter the name of the branching profile and select 'Save.'
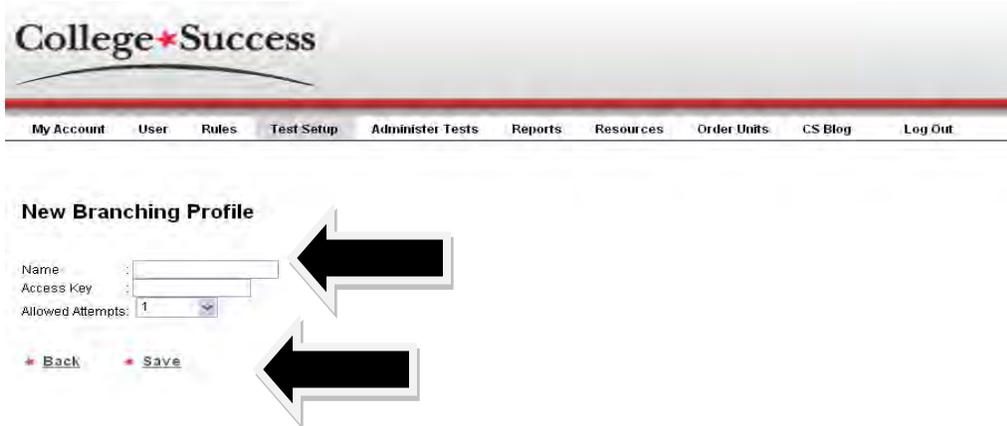
Step 4: Branching Profile Setup- Select 'Edit Rule.'
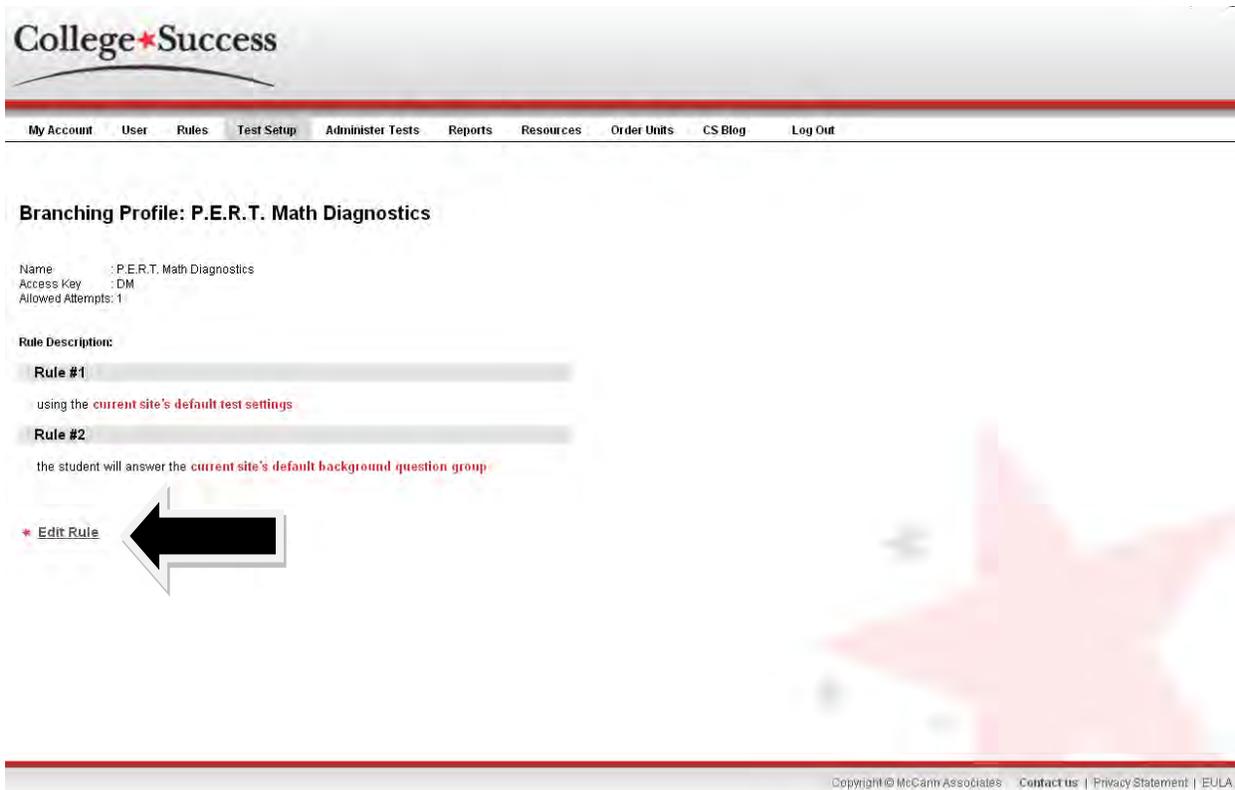
Step 5: Branching Profile Setup- For rule #1, select the diagnostic test settings from the drop down.
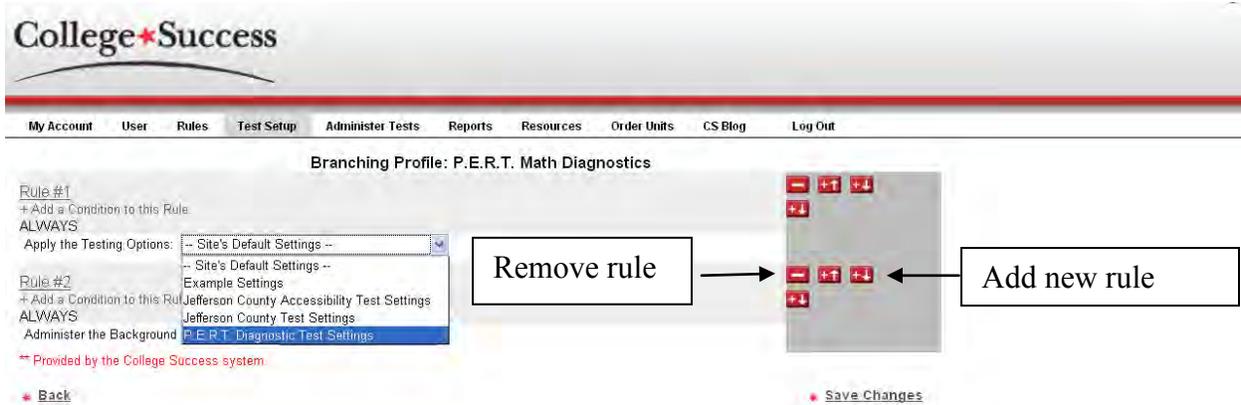
Step 6: Branching Profile Setup- For rule #2 (if applicable), select the background question group to be administered. If background questions are not required, select the minus button adjacent to rule #2. This action will remove the rule and allow a new rule to be created.

Step 7: Branching Profile Setup- Select the plus down arrow to add a new rule. A pop-up box will appear and you will select 'Administer Test' from the dropdown and then 'Add New Rule.'
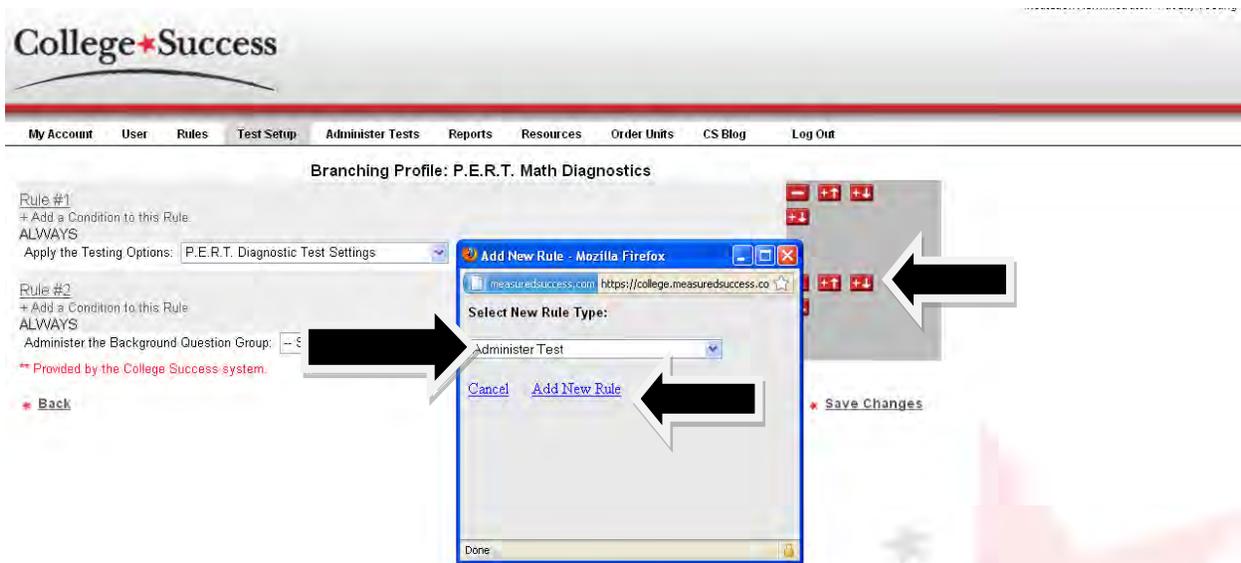
Step 8: Branching Profile Setup- Select the diagnostic test from the dropdown to be delivered in the branching profile. And 'Save Changes.' Note: You can deliver multiple diagnostic tests in one branching profile or you can create separate branching profiles to deliver.
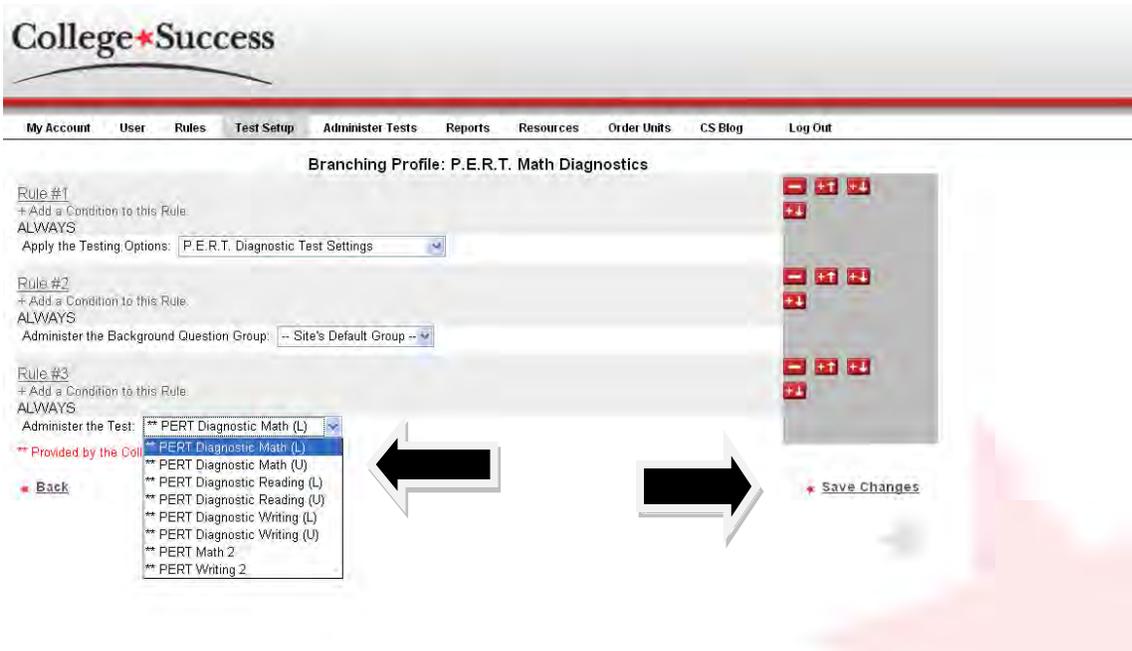
Launching Diagnostics:

Administering:

Step 1: Administering- Logged in as a Site Manager (SM) or Proctor (P), select 'Administer Tests.' Note: only Site Managers and Proctors can administer tests.

Step 2: Administering- Select 'New Test Session.'
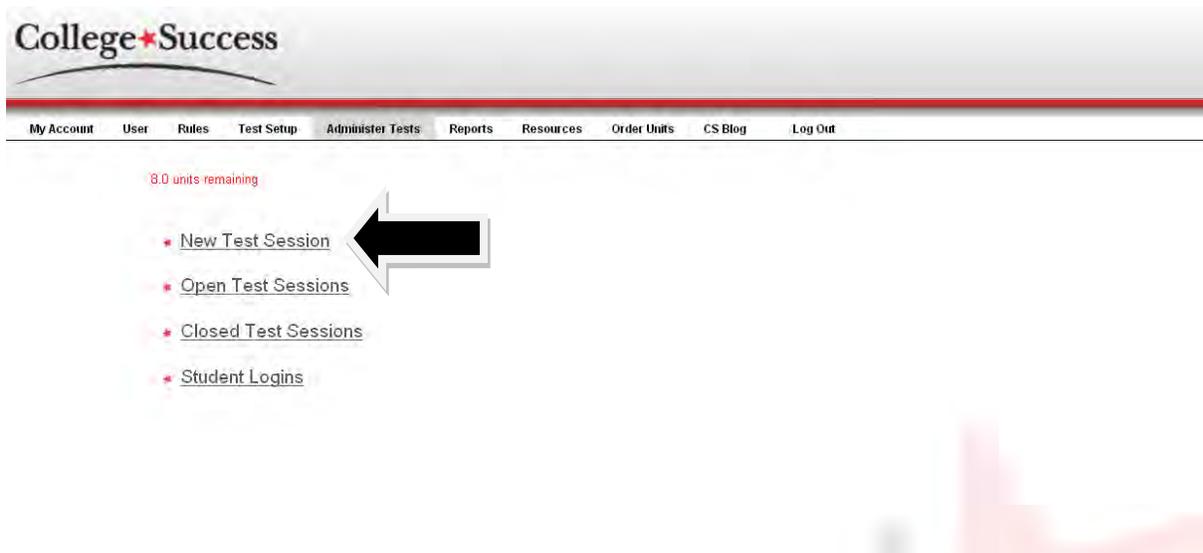
Step 3: Administering- Select the diagnostic branching profile to be delivered and click 'Submit.'
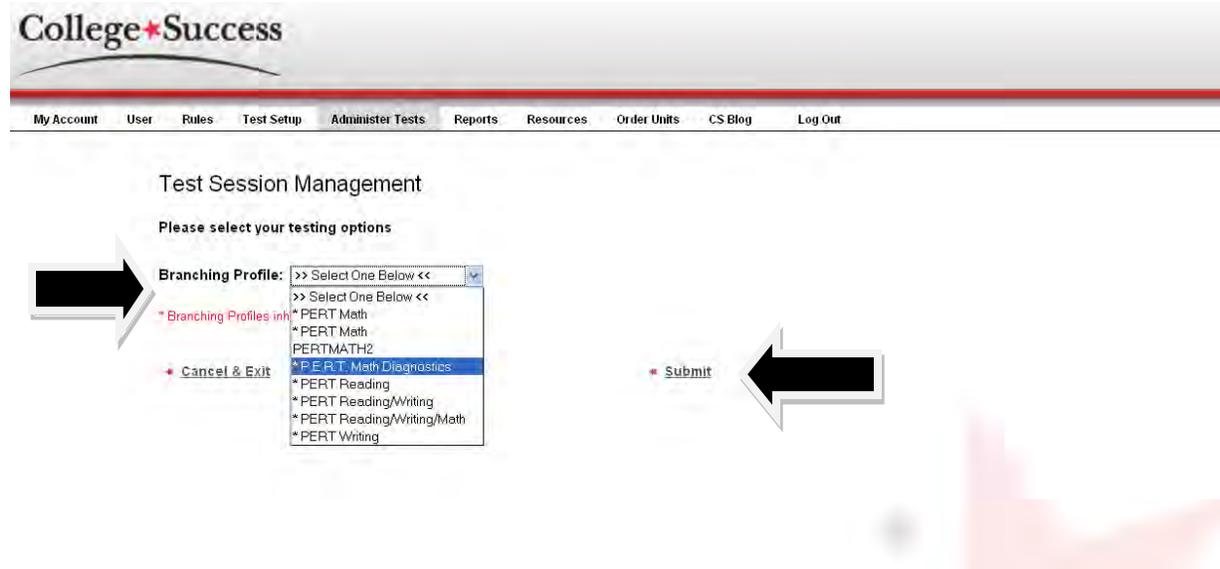
Step 4: Administering- Have the student read the Student Privacy Policy and click 'I have read this policy.'

Step 5: Administering- Enter student information and click 'Next."
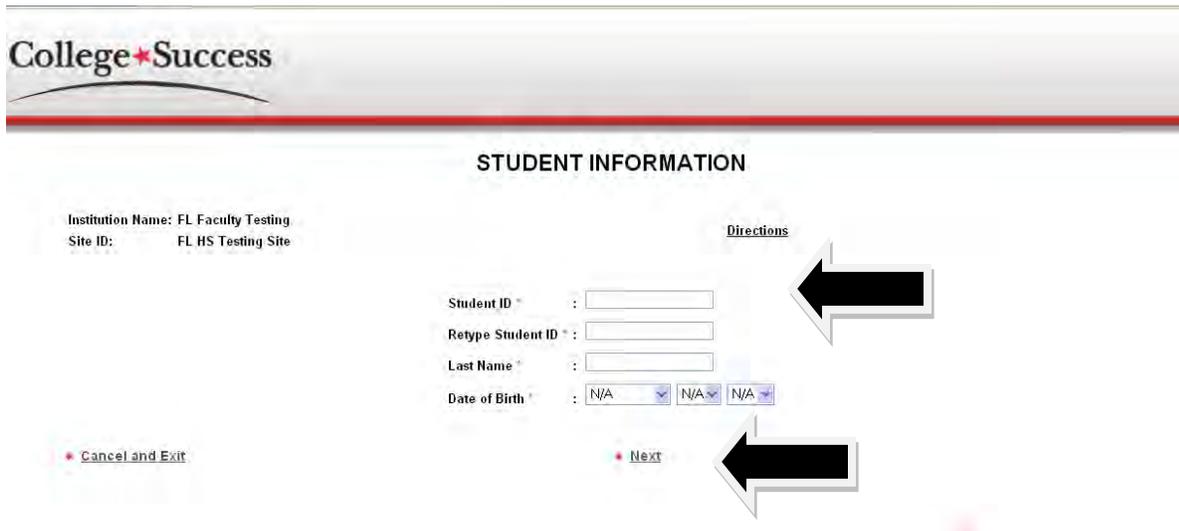
Step 6: Administering- If the student has not previously tested in the College Success system, proceed with filling out the registration form and click 'Next.' If the student has tested, verify the information provided is accurate and click 'Next.'

Step 7: Administering- The student will receive the College Success Welcome Message and click 'Next.'

Step 8: Administering- Student will review the 'Directions For Answering Questions' and click 'Start Test Session.'

Step 9: Administering- The student will be brought into the background questions (if applicable) then to the diagnostic test. After the student has answered the 50 item form, he/she will click 'Next" to view the score report.

You have completed the PERT Diagnostic Math (L) test.

No additional tests are required at this time.

You may now view your individual report.

* Next
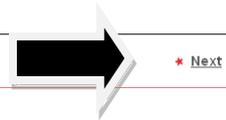
Diagnostic Score Reports:

Viewing score reports:

Step 1: Score Reports- At the conclusion of the diagnostic test, the student will receive a score report. The score report shows the total number correct. To view the percentages and breakdown of the score report, direct the student to click 'View' under the 'Linear Test Report' column.

Step 2: Score Reports- The student will receive a diagnostic score report. When iSEEK is enabled (test settings option), the student can click on the iSEEK link next to the skill to find targeted resources.