

CTAE

Bridge Academy

Agricultural & Health Biosciences

Business, Communication & Human Services

229.686.7428 500 East Smith Ave. Nashville, GA



Learning that Works for Berrien County

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Learning That Works for
Berrien County

Why End of Pathway Assessments?



End of Pathway Assessments

- Establish Validity of Assessments
 - Building Level Administration and Board of Education
 - *The need for students to become proficient in program areas is essential- Student retention in school*
 - Teachers
 - *Certification is a mark of excellence- It adds credibility to the program*
 - Students/Parents
 - *Certification is an investment into their career- It qualifies students for higher paying jobs*
 - Community
 - *By investing in the future of the students it prepares them for industry standards*

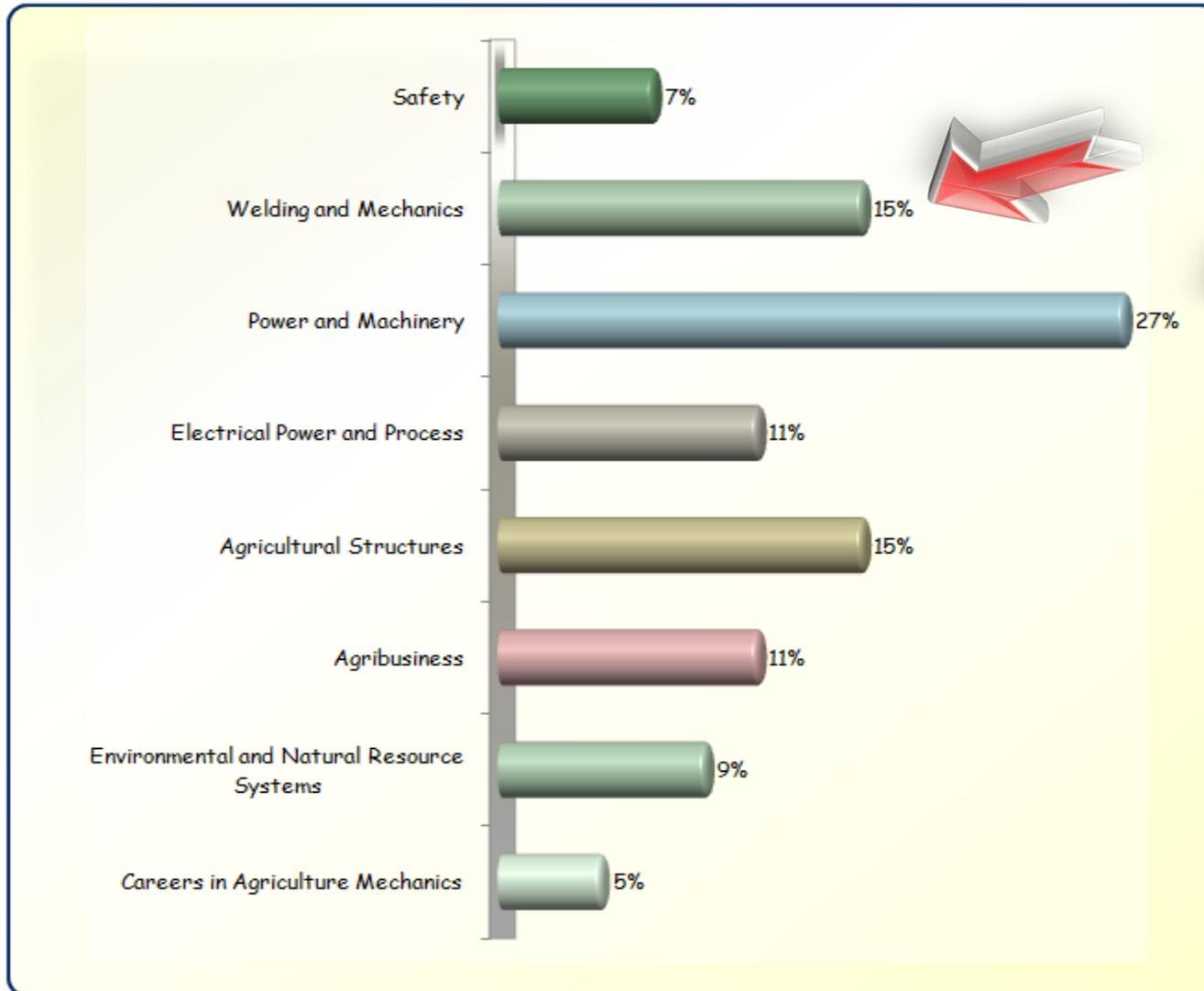
End of Pathway Assessments

- Establish Validity for Assessments
 - **Building Level Administration and Board of Education**
 - *The need for students to become proficient in program areas are essential- Student retention in school*
 - *Berrien High School has developed small learning communities centered around ALL CTAE Program areas*
 - **Teachers**
 - *Certification is a mark of excellence- It adds credibility to the program*
 - *Teachers now use this as a recruitment tool for gaining additional students into their programs*
 - **Students/Parents**
 - *Certification is an investment into their career- It qualifies students for higher paying jobs*
 - *Students can now be more competitive in the job market.*
 - **Community**
 - *The community will help invest in the future of the students while preparing them for industry standards*
 - *Berrien County Rotary and Chamber of Commerce funded over 50% of the 2011-12 EOPA's*

End of Pathway Assessments

- Cross Reference Curriculum Maps
 - Review Blueprints for Assessments and standards for classes in pathway
 - Rewrite Curriculum maps to reflect the blueprints of each assessment.
 - Example- NOCTI Assessment
 - Ag Mechanics

Ag Mechanics EOPA



Agricultural Mechanics 1

AG-AMII-1 a
ELA9RC2, ELA12LSV1,
ELA9RL5, ELA10W3,
MM1A3, MA1P1, MA1P3,
SCSh2, SCSh3, SCSh4, SP1,

Unit Five Focus:

Small Engine Safety

Estimated Time: 1 week

Unit Themes

- .Justify fundamental safety rules of small engines.
- .Demonstrate safety procedures for small engines to teacher's standards.
- .Show 100% retention of safety practices through safety test.

AG-AMII-1 (b-e)
ELA9RC2, ELA12LSV1,
ELA9RL5, ELA10W3,
MM1A3, MA1P1, MA1P3,
SCSh2, SCSh3, SCSh4, SP1,

Unit Six Focus:

Small Engine Tool & Materials ID

Estimated time: 1 week

Unit Themes

- 1Identify tools commonly used in the small engine industry.
- 2Demonstrate the proper use of mechanics' tools.
- 3Identify all parts internal and external of a small engine.
- 4Identify proper function of each small engine part.

AG-AMII-1f-h
ELA9RC2, ELA12LSV1,
ELA9RL5, ELA10W3, MM1A3,
MA1P1, MA1P3, SCSh2,
SCSh3, SCSh4, SP1, SPS5, SPS7

Unit Seven Focus:

Small Engine Labs

Estimated Time: 3 ½
weeks

Unit Themes

- 1Effectively disassemble a small engine and correctly label each part.
- 2Demonstrate the proper technique for reassembling the engine, including proper torque specifications.

AG-AMI-2 (a-e)
ELA10C1, SCSh9,
ELA10LSV1 (i), ELA9RC2,
ELA12LSV1, ELA9RL5,
ELA10W3, MA1P1, SCSh2,

Unit Eight Focus:

Careers

Estimated Time: ½ week

Unit Themes

- 1 Describe 10 careers in the woodworking industry.
- 2Explain requirements necessary to secure a job in the woodworking industry.
- 3Describe the job entry employment opportunities available in small engines.
- 4Research the technical occupations available in small engines.

End of Pathway Assessments

● **Review Sessions**

- Each program area schedules review sessions for practice exams and review of standards/blueprints.
 - Some are all day review sessions; others are only during the class blocks.
 - **IMPORTANT-** Make the review sessions known to EVERYONE
 - Even if review sessions are during your regular blocks- Keep the terminology out front!

Submit to BOE and to all teachers so they will have a schedule

Administrative Information Support Pathway

November 28 through December 12 - Certi-prep Training 2nd Block Room 308

December 13 - End of Pathway Online Assessment- 2nd Block Room 308

Agriculture Mechanics Pathway

December 17 - NOCTI Ag Mechanics Review Session

- Students will meet in Ag Science Lab to divide up into groups
- Group 1 Ag Mechanics II & III Review -Room 410
- Group 2 Ag Mechanics I Review- Room 408
- Groups will rotate between content areas at 11:30

December 18- Agriculture Mechanics End of Pathway Assessment Room 403

Therapeutic Services Pathway

November 16 - Certified Nursing Assistant Pre- Test during class

December 18- Certified Nursing Assistant Test Room 401 8:00- until

Nutrition and Food Science Pathway

December 10 – Nutrition and Food Science Review during class

December 11- Nutrition and Food Science Test Room 306 3rd Block

Small Business Development Pathway

December 07 – Small Business Development Review 3rd Block

December 10- Small Business Development Test Room 304 3rd Block

Bulletin Boards



BCHS

BUILDING A STRONG FOUNDATION

FOR OUR

FUTURE



Pathway Project

Career Ready

Literacy

ELT

Relevance

Math

Work-Based Learning

Food Science

Business

Relationships

Rigor

Writing

College Ready

Nutrition

Computer Science

Law and Justice

Video Production

Science

Language Arts

Social Studies

BUSINESS AND COMPUTER SCIENCES

FBLA Week!
Feb 11-16

State Leadership

\$60 Registration
Due Feb. 1, 2013

March 14-16
Atlanta, Ga

Business Education

Administrative:

- Computer App I
- Computer App II
- Business Communication

Small Business

- Business Essentials
- Legal Environment of Business
- Entrepreneurial Ventures

Interactive Media

- Computing in the Modern World
- Fundamentals of Web Design
- Advanced Web Design



FAMILY AND CONSUMER SCIENCES

Class Time

- A Better You Feb. 20th, 2013
- Syllabus is Due Jan. 18th
- Coming Soon: Serv Safe Certification.

Facebook

- News Here.....
- NEW MEMBERS**
\$15 Due by Jan. 31st
- Day at the Capital is around the Corner
- State Officer Candidate!!!
Meghan Guthrie
- Deposit for Summer Camp \$90 Due Feb. 20th
- Star Events Coming Soon

CERTIPORT®

AUTHORIZED TESTING CENTER



Berrien High School

Is hereby granted authorization to offer Certiport exams and is an approved

Certiport Authorized Testing Center

A handwritten signature in black ink that reads "Ray Kelly".

Ray Kelly
CEO, Certiport, Inc.

February 4, 2013

CERTIPORT®



American Welding Society

By authority of the Board of Directors

Berrien County High School

is hereby designated

Educational Institution Member

*of the American Welding Society, founded in 1919 to advance the science, technology and application of
welding and allied processes including joining, brazing, soldering, cutting and thermal spray.*

William A. Spiv

AWS PRESIDENT

Ray W. Mink

EXECUTIVE DIRECTOR



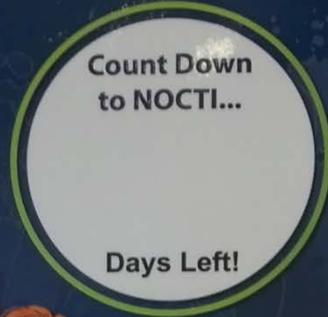
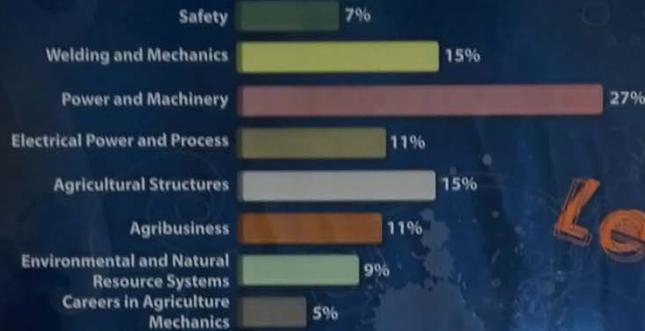
www.nocti.org

Agriculture Mechanics - 2102

Written Assessment

Number of Questions: 183

Areas Covered:



Learn

Performance Assessment

Number of Jobs: 6

Jobs Covered:

Achieve



- Horizontal Square Groove Butt Weld - SMAW
- Oxyacetylene Cutting
- Troubleshoot and Diagnose a Gas Engine
- Install a Switch to Control a Light
- Mark a Common Rafter
- Set-up and Instrument Leveling of the Farm Level

How will I benefit from taking a NOCTI assessment?

- Demonstrate your knowledge and skills - *show what you know!*
- Learn about your strengths and areas that need improvement
- Receive a score report and certificate of completion for your portfolio
- Prepare for further education or a career
- Gain feedback before taking expensive certification/licensure exams



End of Pathway Assessments

- Core Academic teachers collaborate with CTAE teachers in Academy Meetings.
 - Agricultural and Medical Biosciences Academy (A&M Academy)
 - Works with Ag and Healthcare Pathways
 - Business, Communication, and Human Services (BCHS Academy)
 - Works with Business, BVP, FCS and Criminal Justice

EOPA Data

- Some testing agencies provide data on testing group
 - Get teachers together and use the data to make the assessment program stronger
 - NOCTI- Ag Mechanics

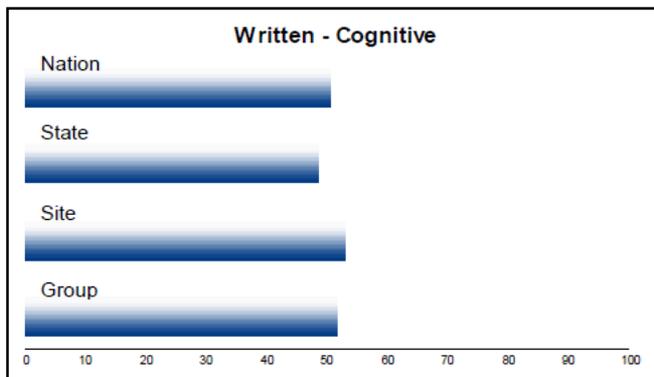
Site: Berrien High School - 1726

Level: Secondary

Test Date: 12/18/2012

Type: Post-Test

Agriculture Mechanics - 2102 v1								
Written - Cognitive								
Duty #	Duty Description	Group	Site(Cumulative)	State	Nation	Criterion-Referenced CutScore	Standard Deviation	Standard Error of Measurement
		N= 27	68	1493	2821			
1	Safety	53.7	55.4	51.9	54.2		15.1	4.8
2	Welding and Mechanics	52.4	50.7	43.3	45.9		13.5	4.3
3	Power and Machinery	52.6	55.5	52.2	54.9		15.0	4.7
4	Electrical Power and Process	51.9	51.1	48.5	48.2		13.9	4.4
5	Agricultural Structures	52.6	54.5	49.3	51.0		13.5	4.3
6	Agribusiness	58.4	59.7	53.7	55.6		17.8	5.6
7	Environmental and Natural Resource Systems	39.6	40.4	38.1	40.3		14.0	4.4
8	Careers in Agriculture Mechanics	46.5	47.4	42.6	43.8		20.3	6.4
	Total	51.8	52.9	48.5	50.4	47.1	11.3	3.6



Task Linked Report

Multiple Choice Assessment

Items Correct by Participant

Site Code: 1726
 Test Title: Agriculture Mechanics 2102 v1
 Test Date: 12/18/2012

Level: Secondary
 Type: Post-Test

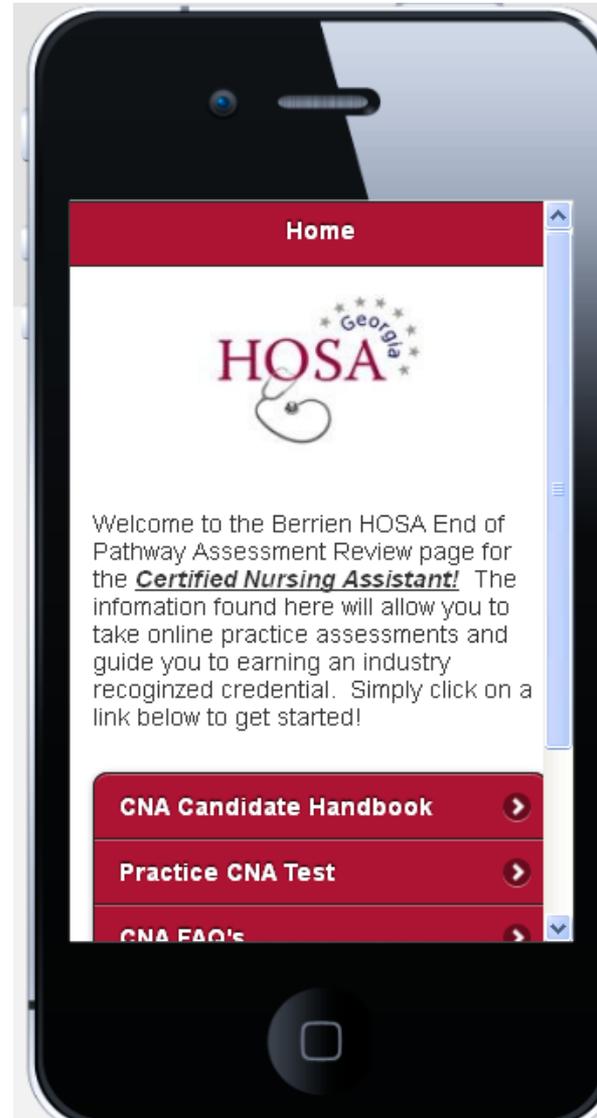
Duty	Task Description	# Items Possible	Average Correct by Group	[Redacted]									
Safety	1 Demonstrate Positive Safety Attitudes and Responsibilities	3	2.0	2	3	2	2	2	1	3	1		
	2 Demonstrate Knowledge of Basic Emergency Procedures	3	1.3	1	2	2	2	1	1	0	1		
	3 Demonstrate Knowledge of Equipment Safety Systems and Consumer Liability	3	1.4	2	2	1	1	1	0	1	3		
	4 Demonstrate Structural and Environmental Safety	3	1.7	1	2	2	2	1	1	1	2		
Welding and Mechanics	5 Exhibit knowledge and Proficiency of Shielded Metal Arc Welding (SMAW) Procedures	6	4.0	4	6	5	5	5	5	4	4		
	6 Exhibit Knowledge and Proficiency of Gas Metal Arc Welding (GMAW) Procedures	6	2.7	2	4	2	3	2	2	6	4		
	7 Exhibit Knowledge and Proficiency of Gas Cutting and Welding Procedures	9	5.0	3	9	3	5	6	4	6			
	8 Exhibit Knowledge and Proficiency of Plastic Welding Procedures	3	1.4	0	2	2	1	3	2				
	9 Exhibit Knowledge of Milling Machines, Lathes, Grinders, and Saws	3	1.0	1	1	1	0	1	0				
Power and Machinery	10 Exhibit Knowledge and Proficiency of Fluid Power System	4	2.5	4	2	1	3	2	1	2			
	11 Exhibit Knowledge and Proficiency of Engine System	12	6.4	5	11	8	6	4	5	8	6		
	12 Exhibit Knowledge and Proficiency of Electrical System	5	3.3	3	5	5	3	3	3	3	2		
	13 Exhibit Knowledge and Proficiency of Power Train System	3	1.6	2	3	2	2	1	3	2	2		
	14 Service and Maintain Machines and Equipment	14	7.0	6	14	6	8	9	3	8	7		
	15 Identify and Analyze Machines and Equipment	5	2.5	1	5	3	1	3	2	3	2		



Exhibit Knowledge and Proficiency of Engine System

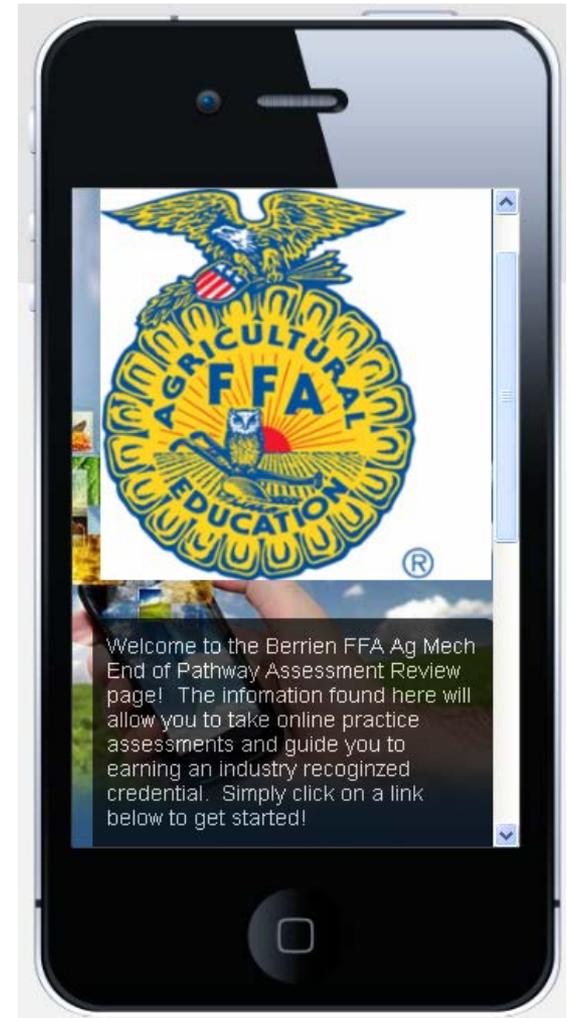
Study Apps for Smart Phones

- CNA study link
 - QR codes given to students

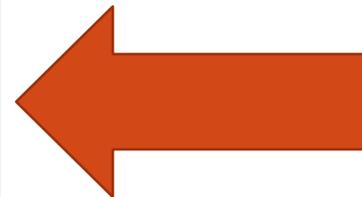
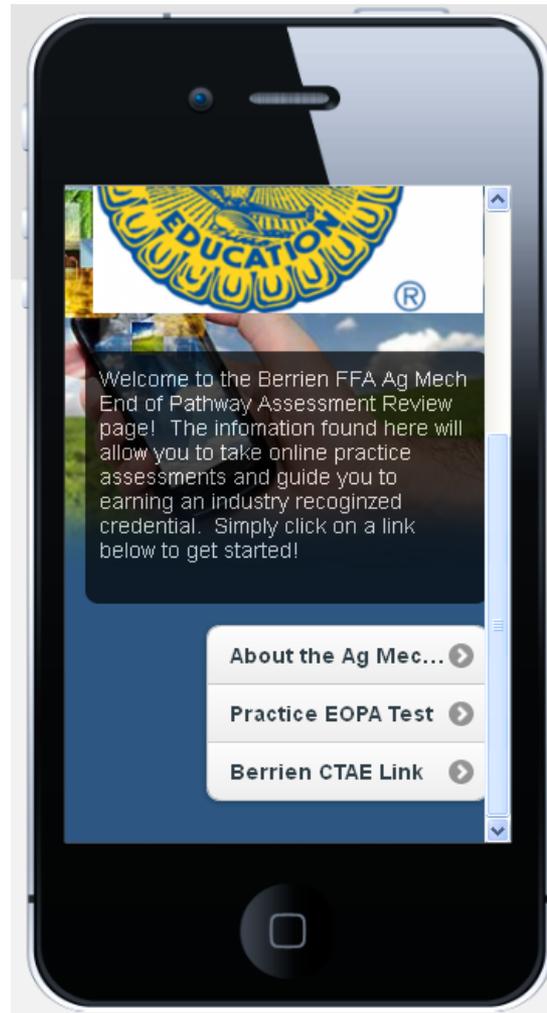


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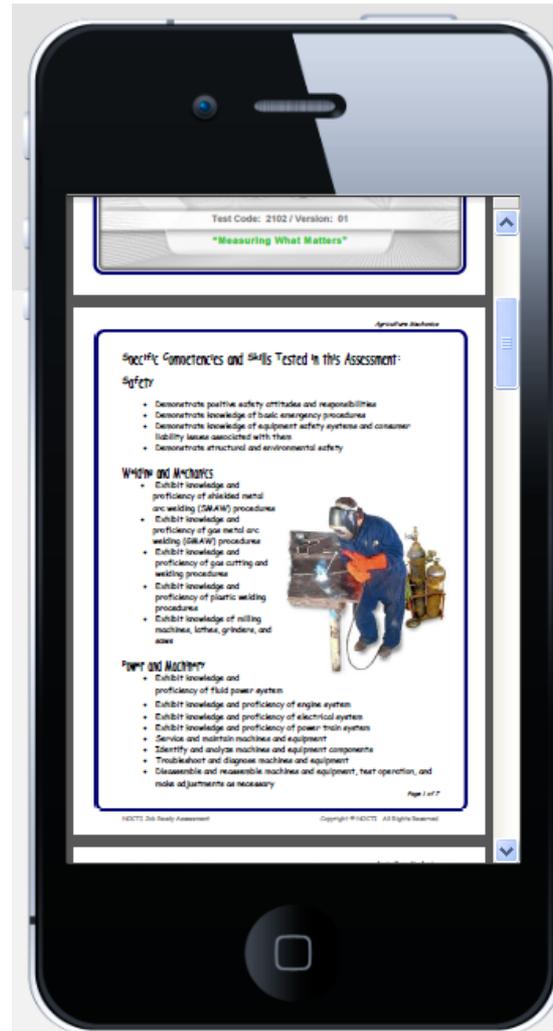
- Ag Mechanics study link
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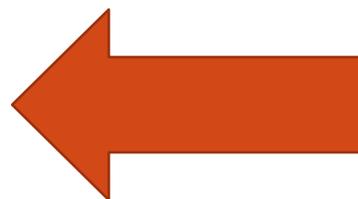
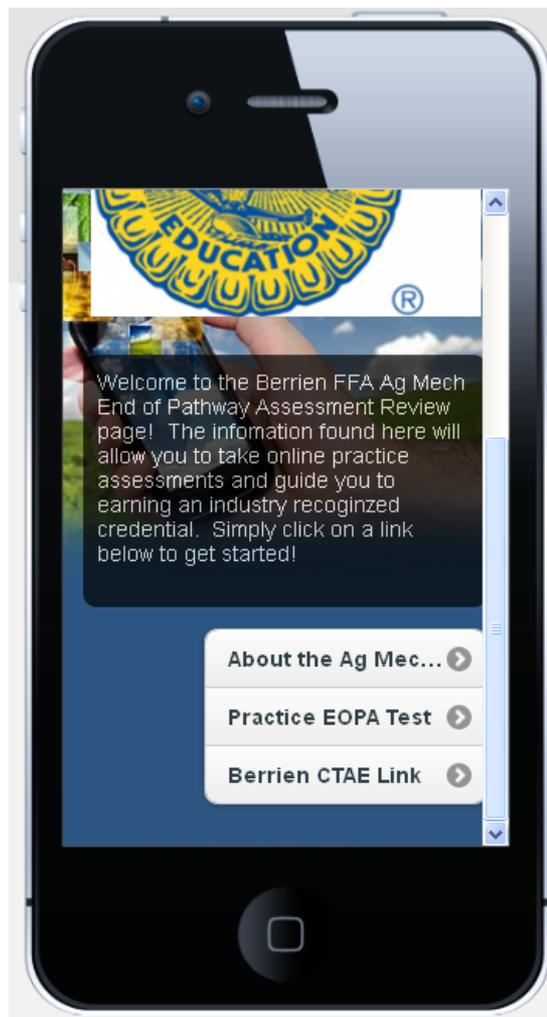
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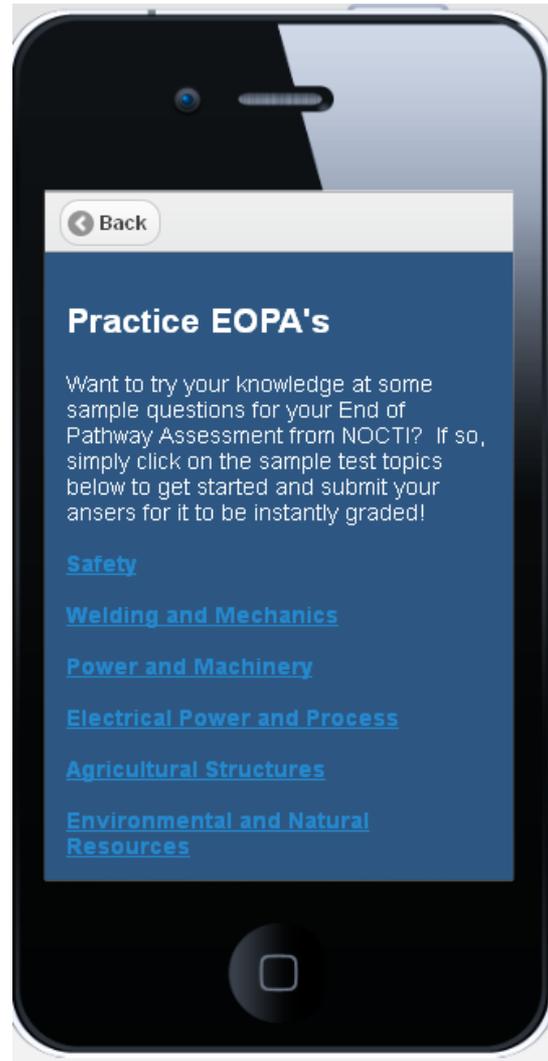
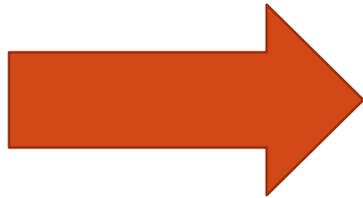
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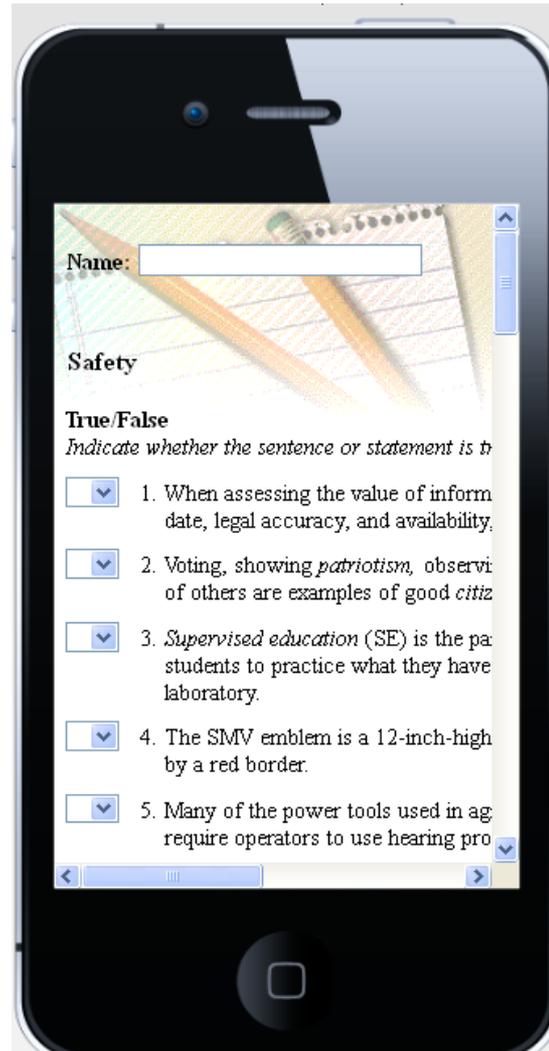
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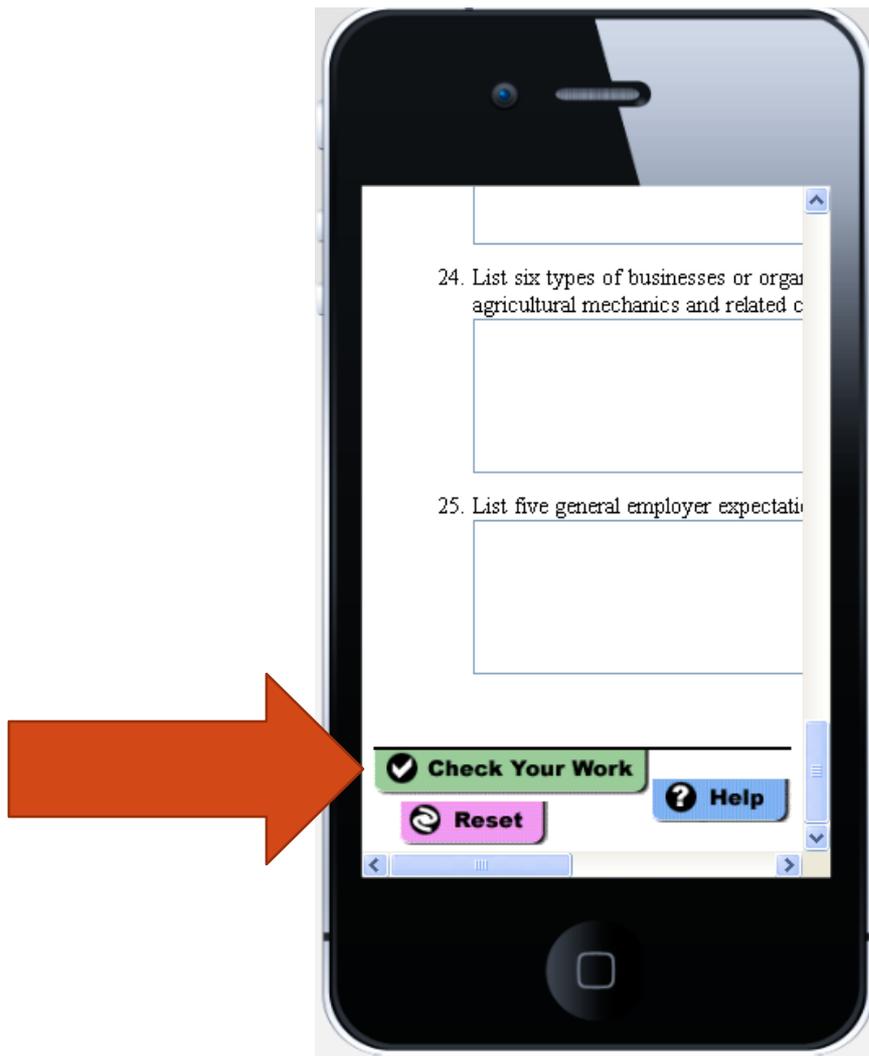
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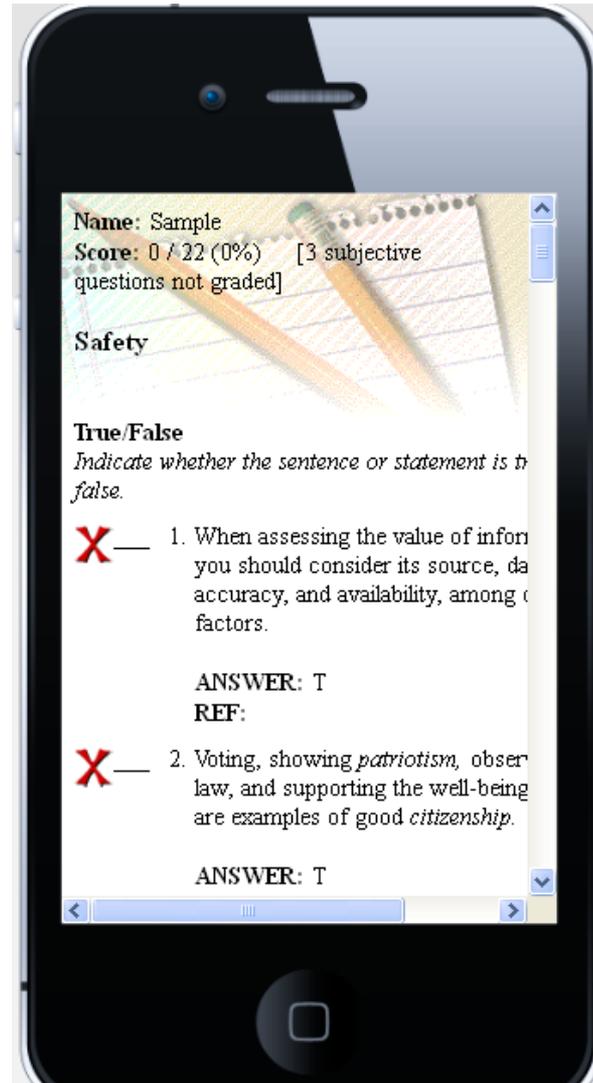
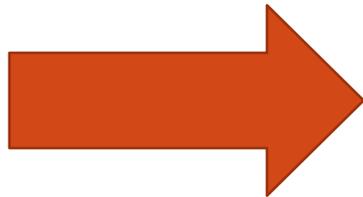
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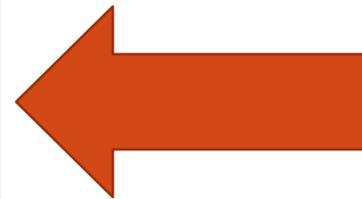
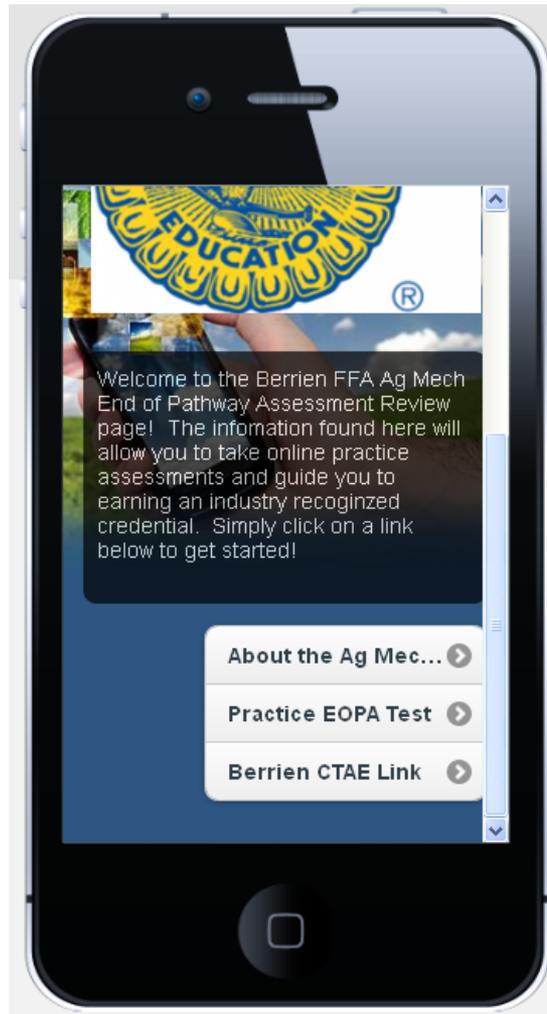
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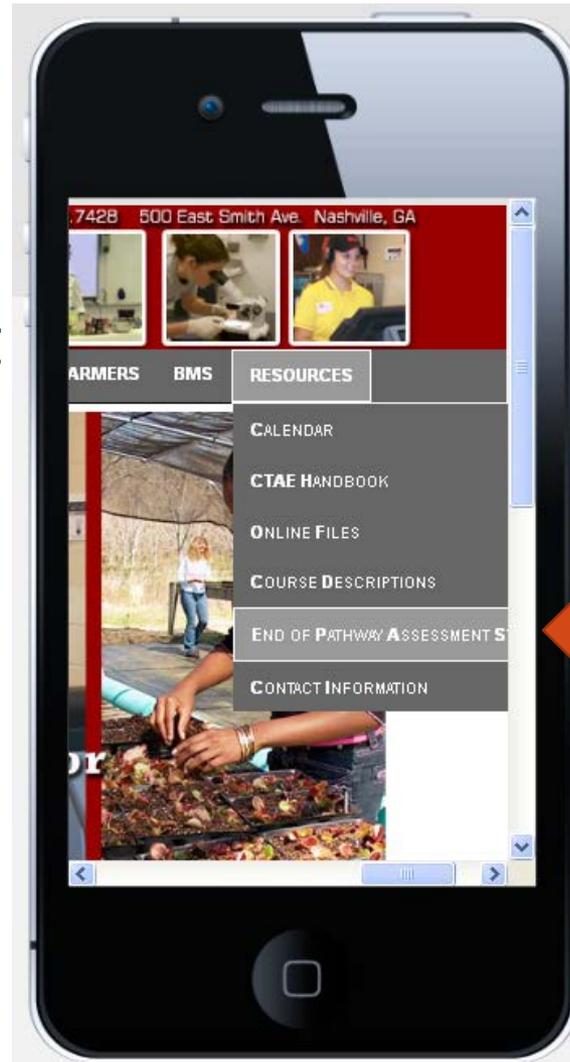
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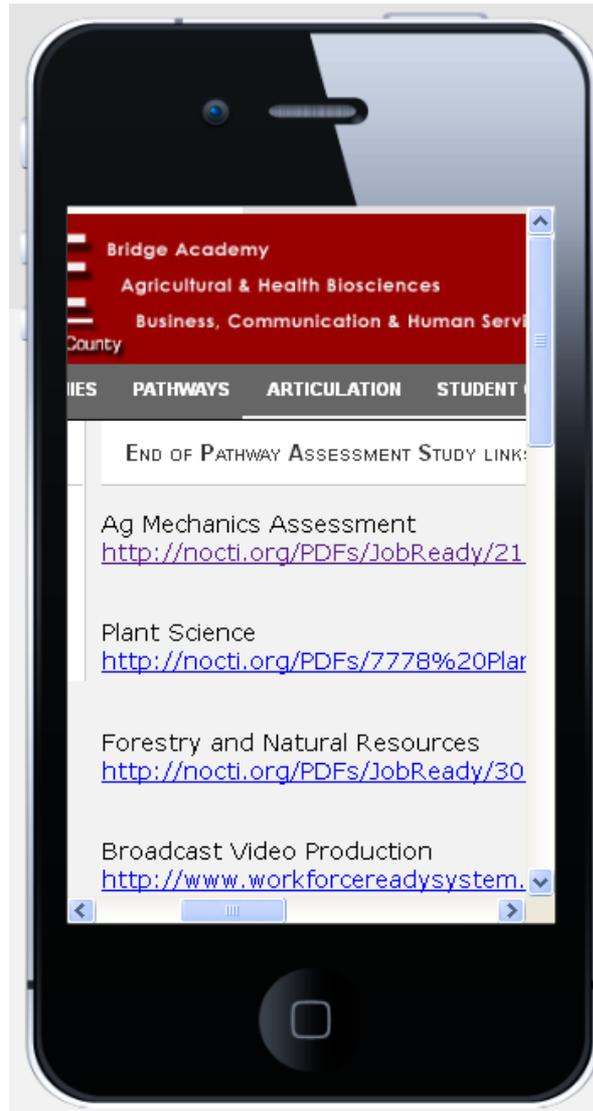
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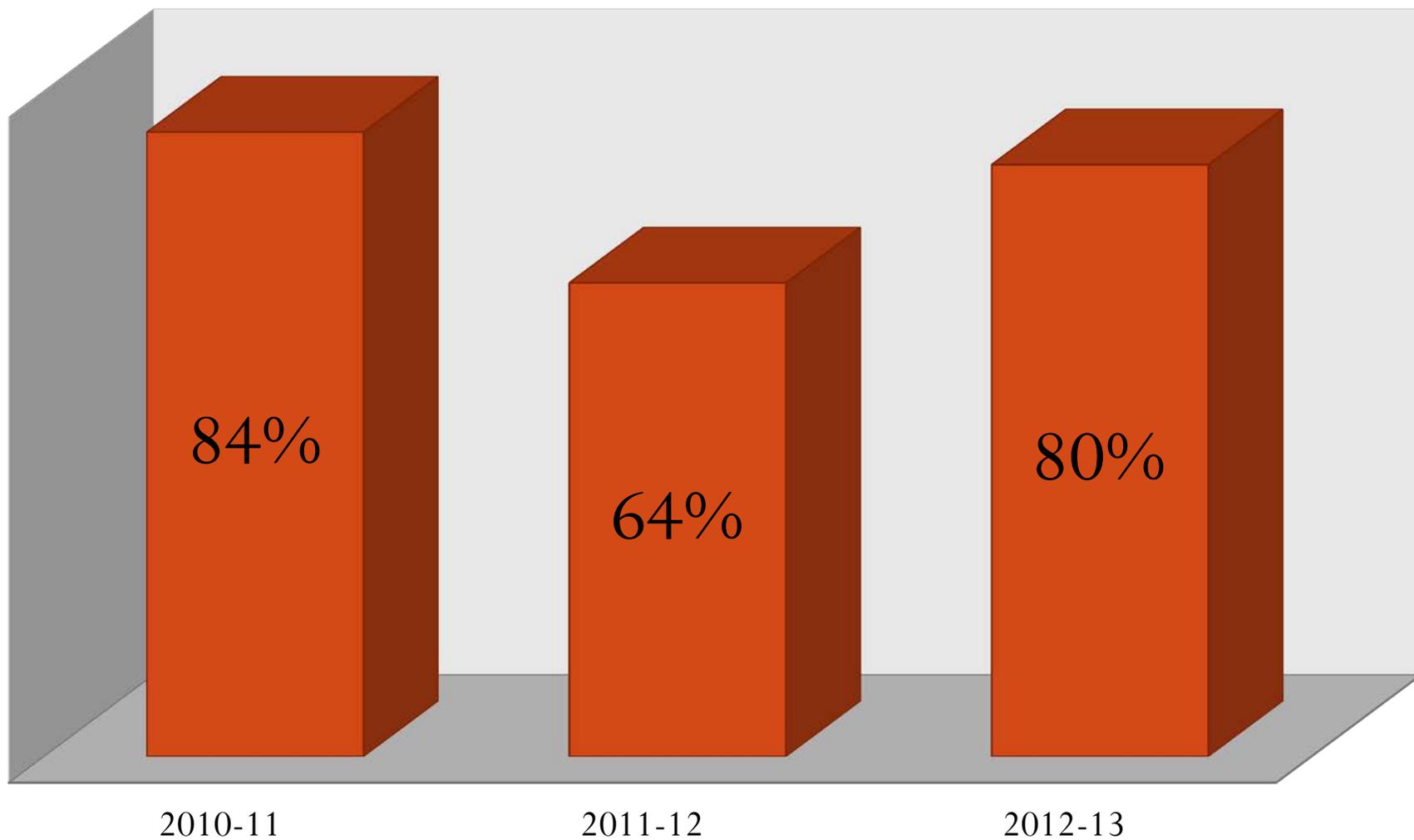


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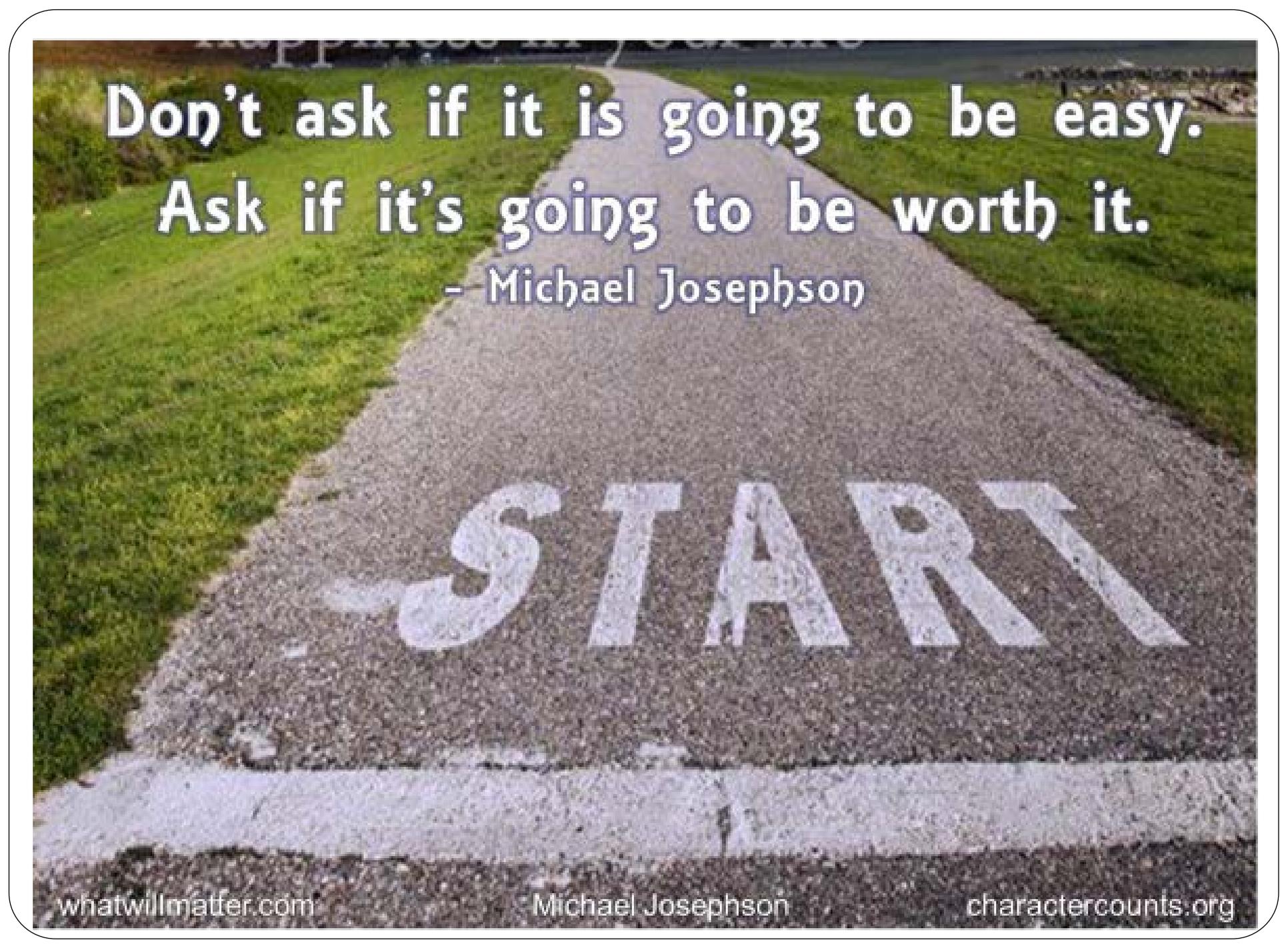
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Berrien High School EOPA Pass Rate





A paved path leads into a green field. The word "START" is painted in large, white, block letters on the path. The path is made of asphalt and is flanked by green grass. In the background, there are some trees and a building.

Don't ask if it is going to be easy.

Ask if it's going to be worth it.

- Michael Josephson

START