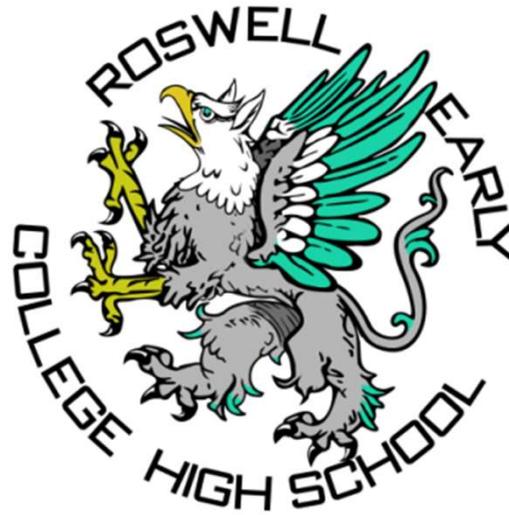


EARLY COLLEGE HIGH SCHOOL



“Your Dreams, Your Future, Your Way”



School Name	Roswell Early College High School				
Number of Students	9th	10th	11th	12th	Total
	74	46	32	15	167
	31 boys 43 girls	15 boys 31 girls	10 boys 22 girls	7 boys 8 girls	63 boys 104 girls
Enrollment by Ethnicity		Asian	Black	Hispanic	White
		2	1	103	61
Gender	Male	Female	Lunch	Free	Reduced
	63	104		167	
Teacher FTE	8	Student/Teacher Ratio			20.875



Setting The Stage For Change



- **Successful organizations have one common central focus and it is **customers**** (Blanchard & Bowles, 1993). According to Blanchard and Bowles (1993) in their book *Raving Fans*, “**It doesn’t matter if it’s a business, a professional practice, a hospital, or a government agency, success comes to those, and only those, who are obsessed with looking after customers”** (pg. 1).



THE WORLD OF WORK IS CHANGING





BUSINESS / FINANCIAL

Which Retailers Are Closing Stores in 2017

From American Apparel to Macy's, retailers of all stripes have been suffering lately and closing stores.



WHY the Change....



70% of jobs in New Mexico by 2020 will require post-secondary education beyond HS

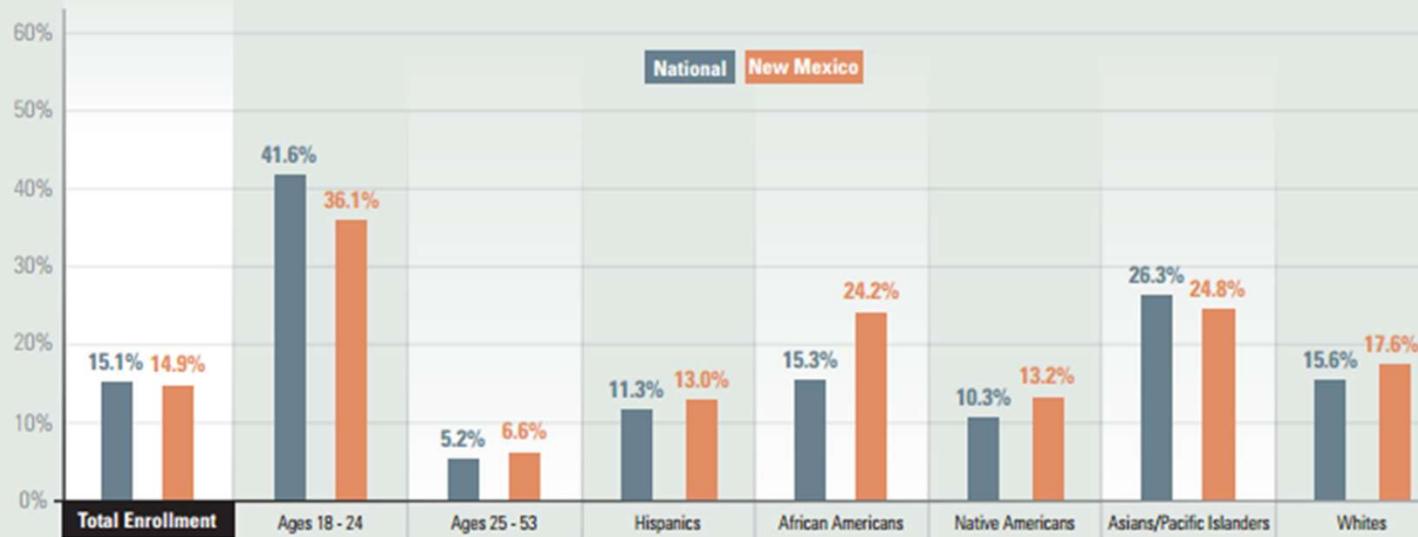


70% of all jobs in the U.S. by 2020 will require post secondary training beyond high school.



52% of NM High School Graduates take remedial courses in college.

College enrollment among New Mexico residents, ages 18-53

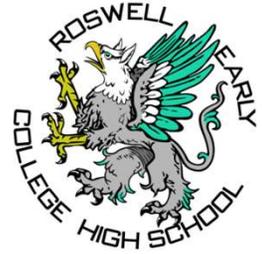


Note: These percentages reflect the enrollment of non-degree-holding students, ages 18-53, at public and private, two-year and four-year postsecondary institutions.

Source: U.S. Census Bureau, 2013 American Community Survey One-Year Public Use Microdata Sample



Changing the Student Experience



Early College High School is a smaller learning community within the larger educational environment. By providing students programs that focus on specific college majors or career interests, ECHS provides more opportunities for students to build relationships with each other and with their teachers.



What's Your Plan?

Career Schools

- Apprenticeship
- Specific Job Training

Two Year College

- Associate Degree
- Certificate
- Credential

WHAT IS COLLEGE?

Four Year University

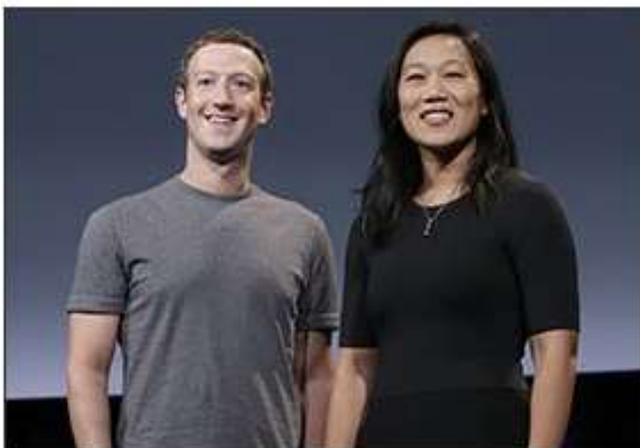
- Bachelor's
- Master's
- Doctorate

Military

- Education & Training



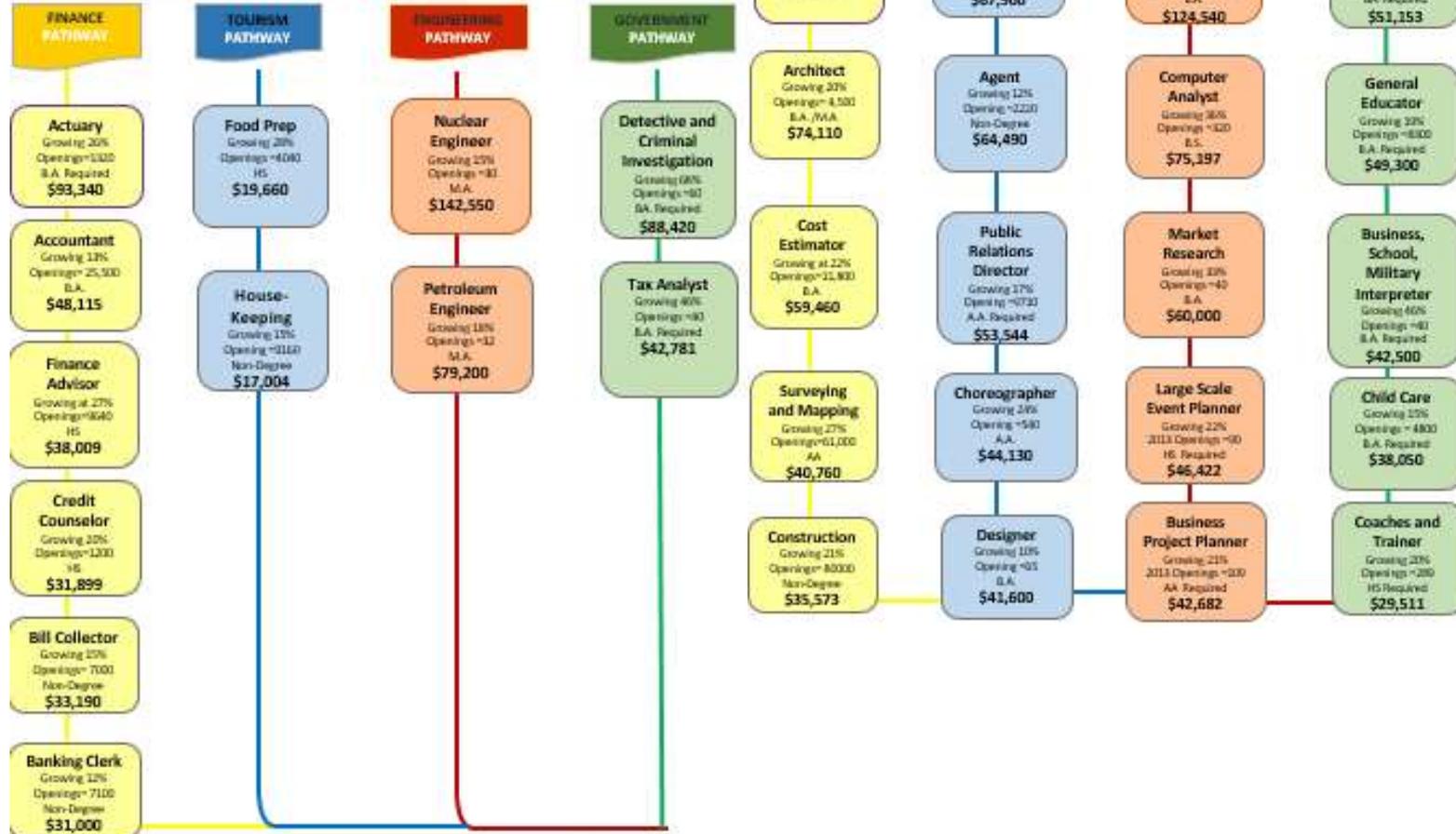
Chan-Zuckerberg to Push Ambitious New Vision for Personalized Learning



“Personalized learning” was an amorphous concept even before this new attempt to integrate it with equally hard-to-define “whole child” strategies. It remains unclear how Chan, Zuckerberg, and Shelton intend to balance the organization’s support for research and development with their desire to quickly bring to scale new products and approaches, many of which have limited or no evidence to support their effectiveness.”

2013-2022 New Mexico "Hot Jobs" Pathways

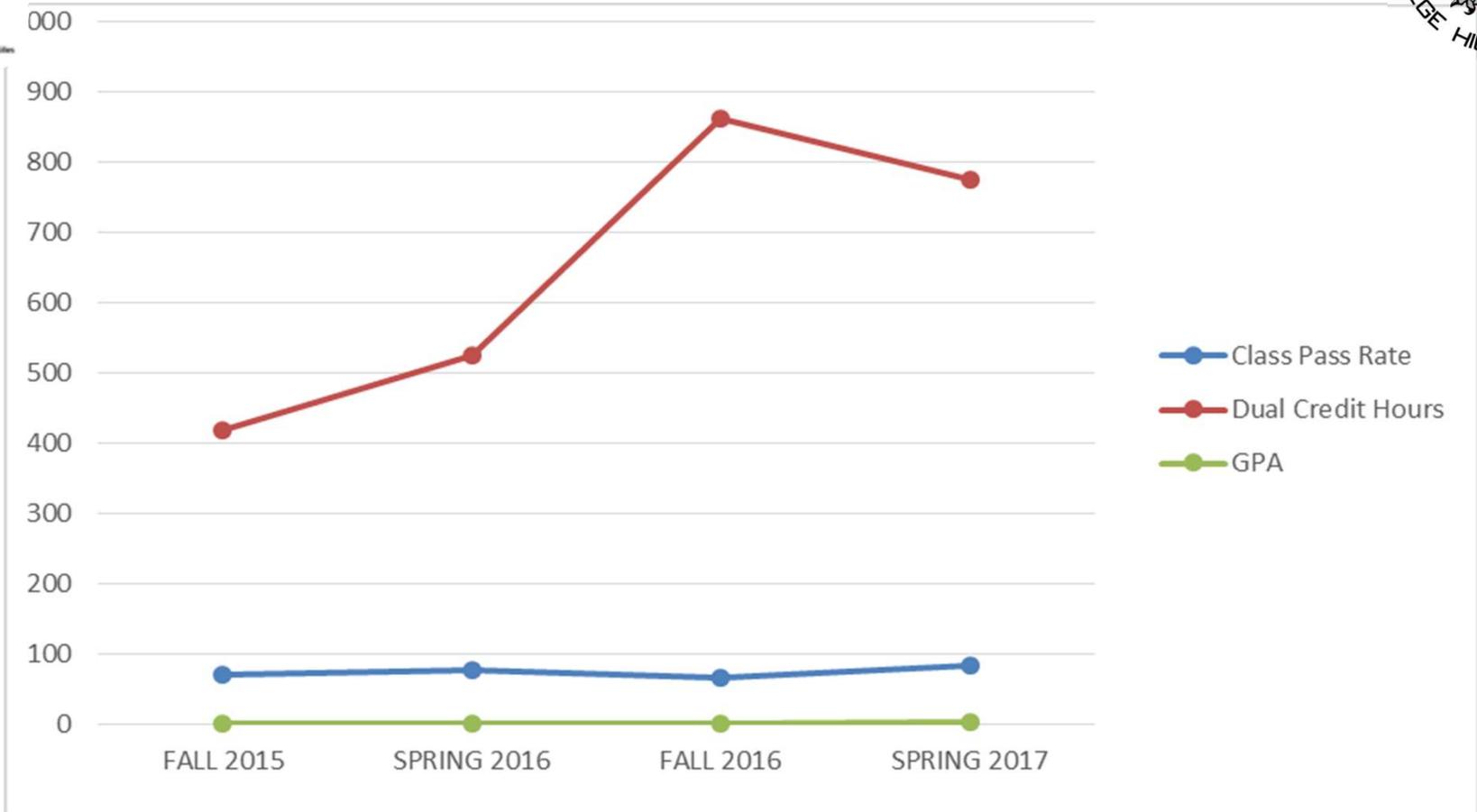
2013-2022 New Mexico "Hot Jobs" Pathways



EARLY COLLEGE HIGH
SCHOOL
RESULTS

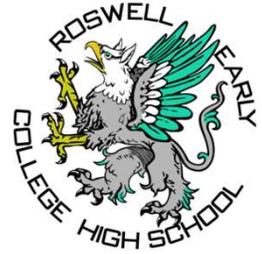


EARLY COLLEGE HIGH SCHOOL DUAL CREDIT TREND ANALYSIS





ECHS SPRING 2017



32% Deans List

862 College Hours

84% Pass Rate

2.31 GPA

862 College Credit Hours

\$88.00 per hour

\$75,856 Tuition Savings

\$25,185 College Books Savings

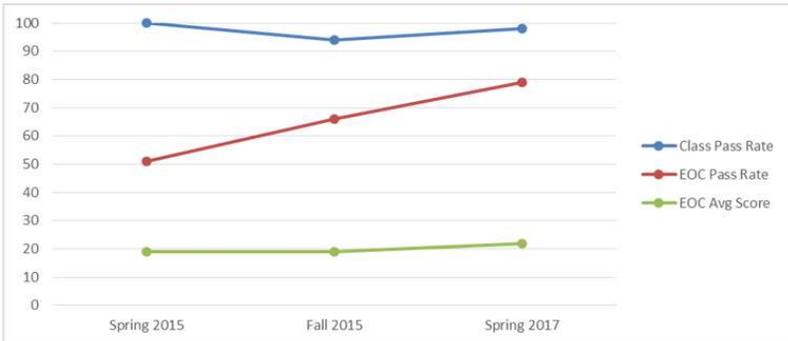
\$101,041



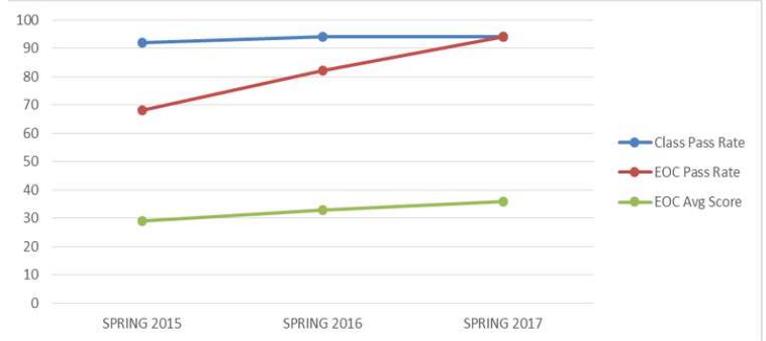
3 YR EOC EXAM TREND ANALYSIS



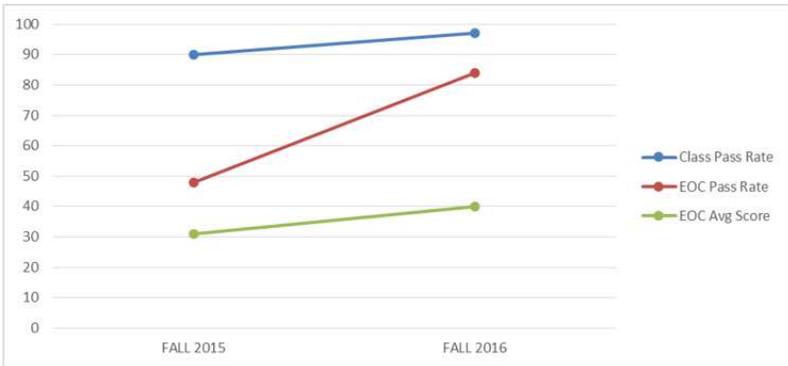
EARLY COLLEGE HIGH SCHOOL
ALGEBRA I
TREND ANALYSIS



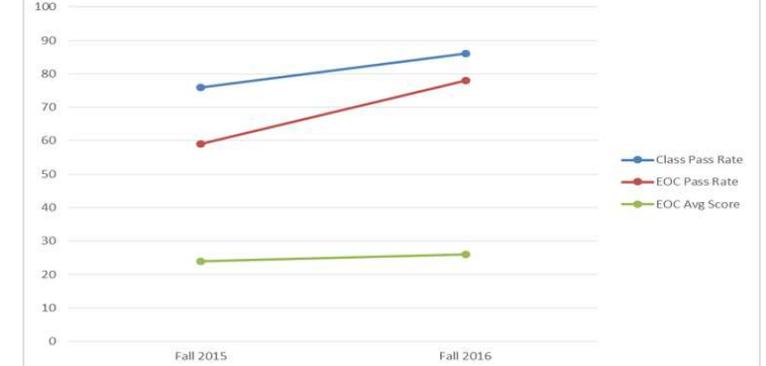
EARLY COLLEGE HIGH SCHOOL
BIOLOGY
TREND ANALYSIS



EARLY COLLEGE HIGH SCHOOL
US HISTORY
TREND ANALYSIS



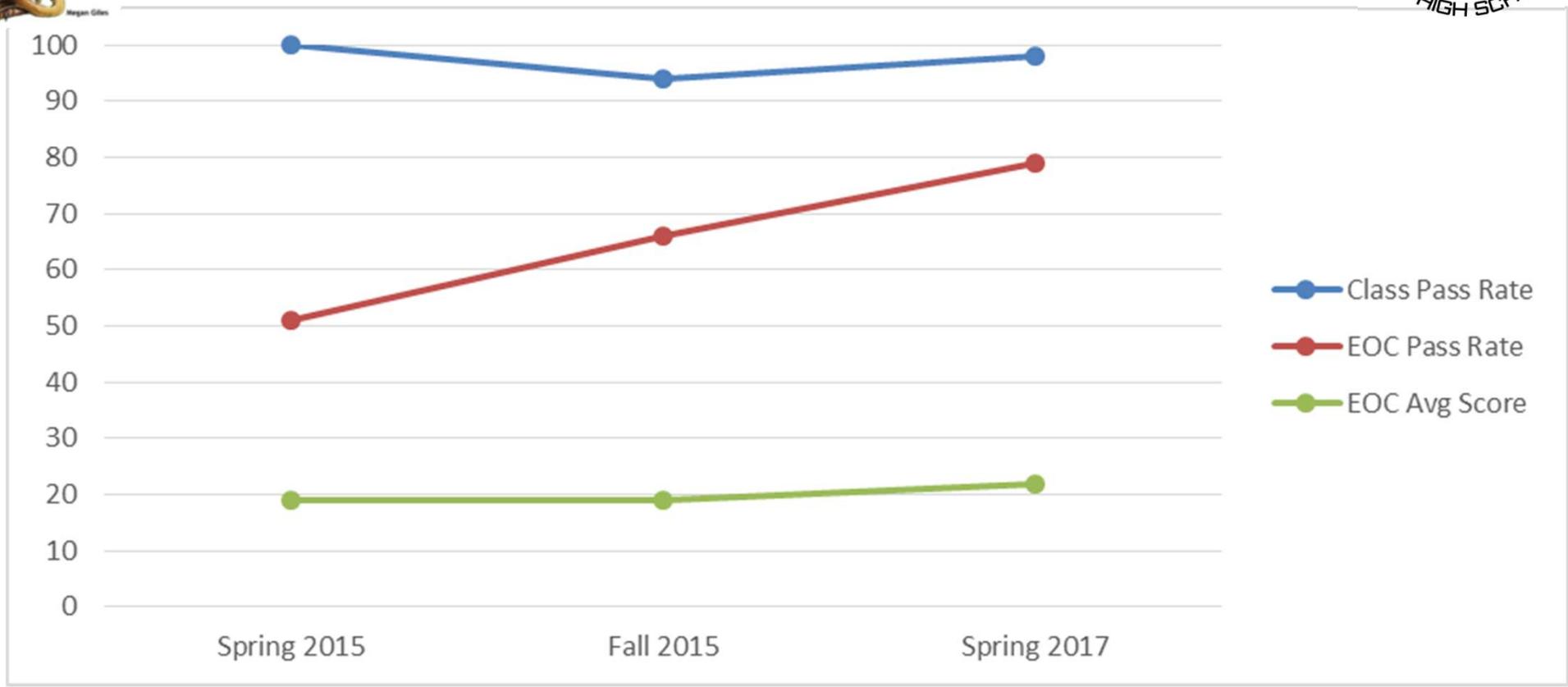
EARLY COLLEGE HIGH SCHOOL
ENGLISH III WRITING
TREND ANALYSIS



MATH

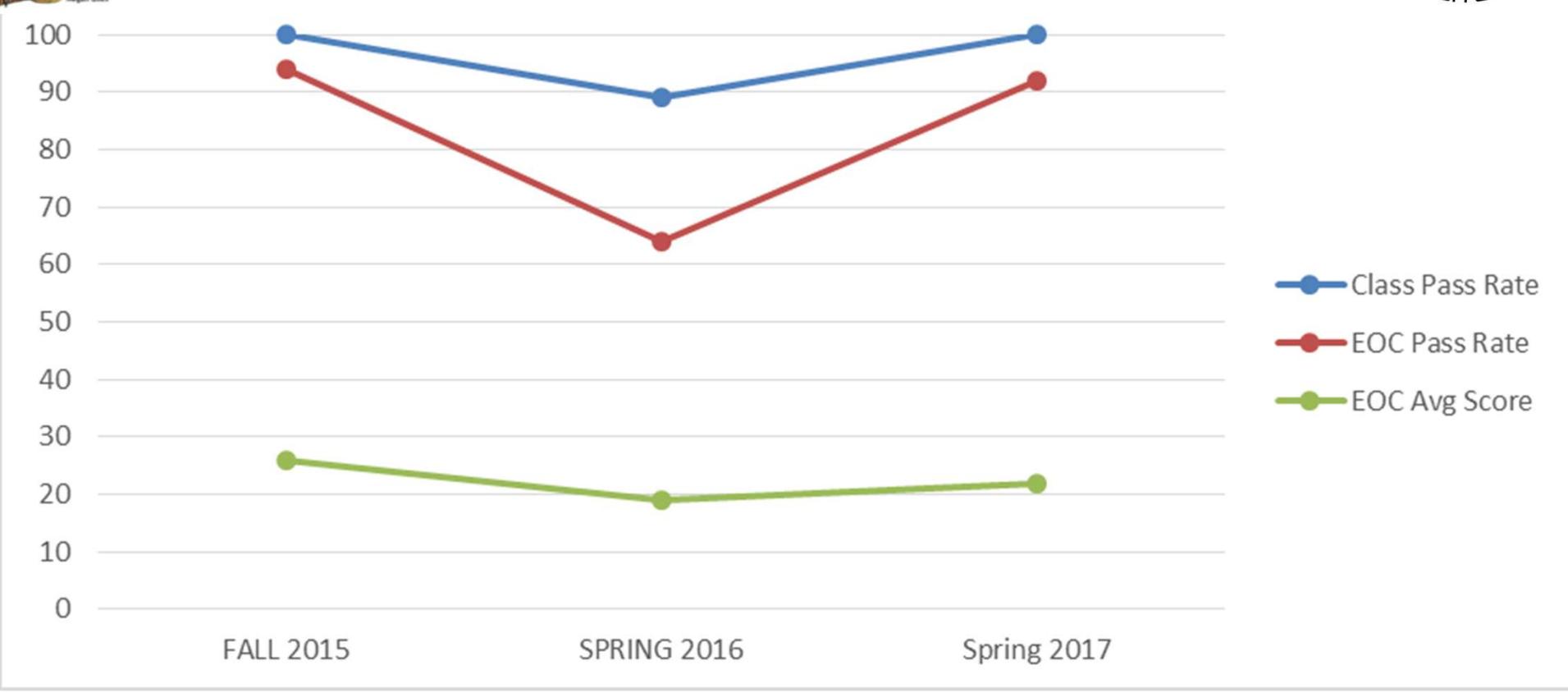


EARLY COLLEGE HIGH SCHOOL ALGEBRA I TREND ANALYSIS



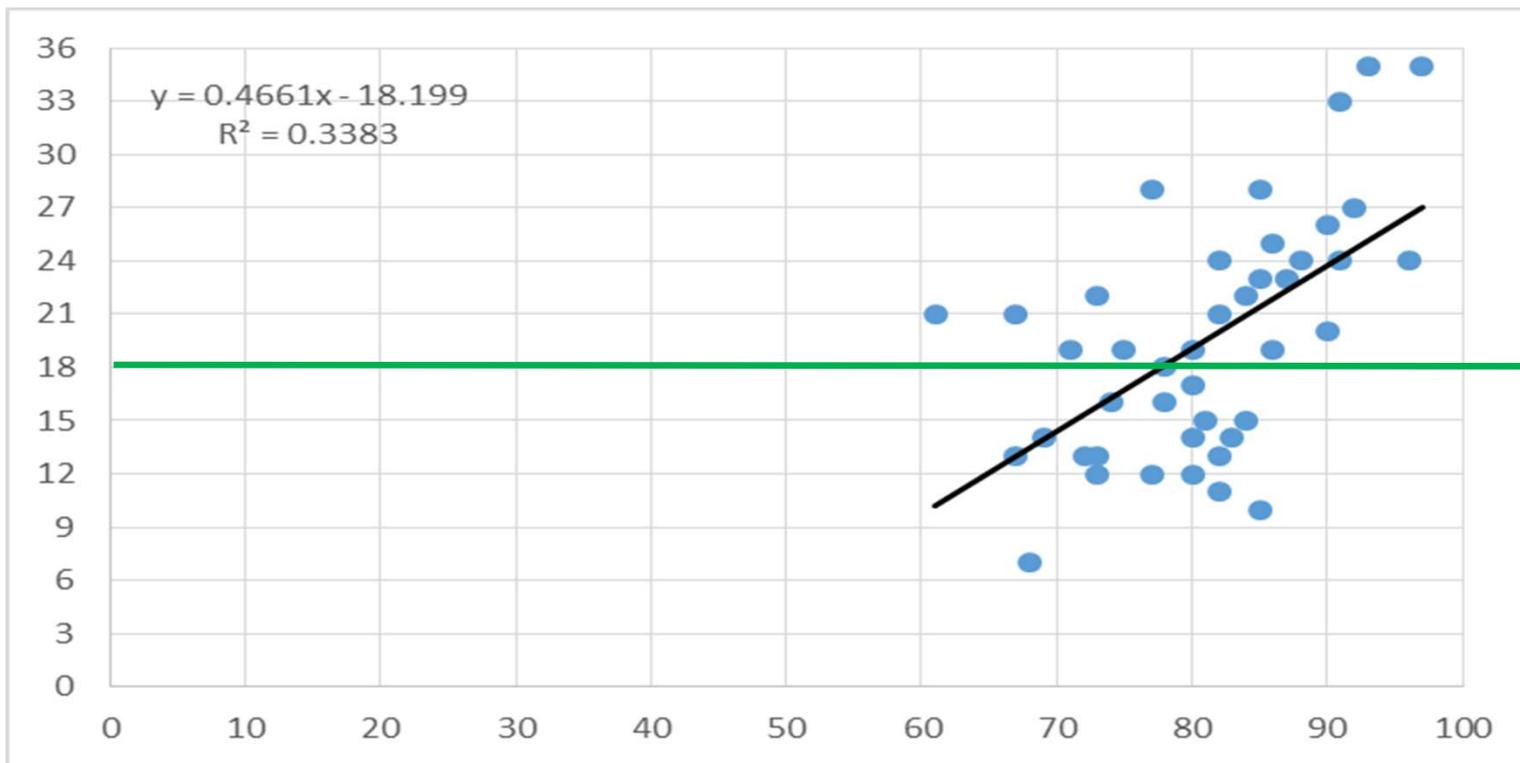


EARLY COLLEGE HIGH SCHOOL GEOMETRY TREND ANALYSIS





EARLY COLLEGE HIGH SCHOOL
GEOMETRY
FINAL CLASS GRADE PERCENTAGE AND END OF COURSE EXAM
SPRING 2017 CORRELATION
(100% pass rate in class and 58% pass rate on EOC)

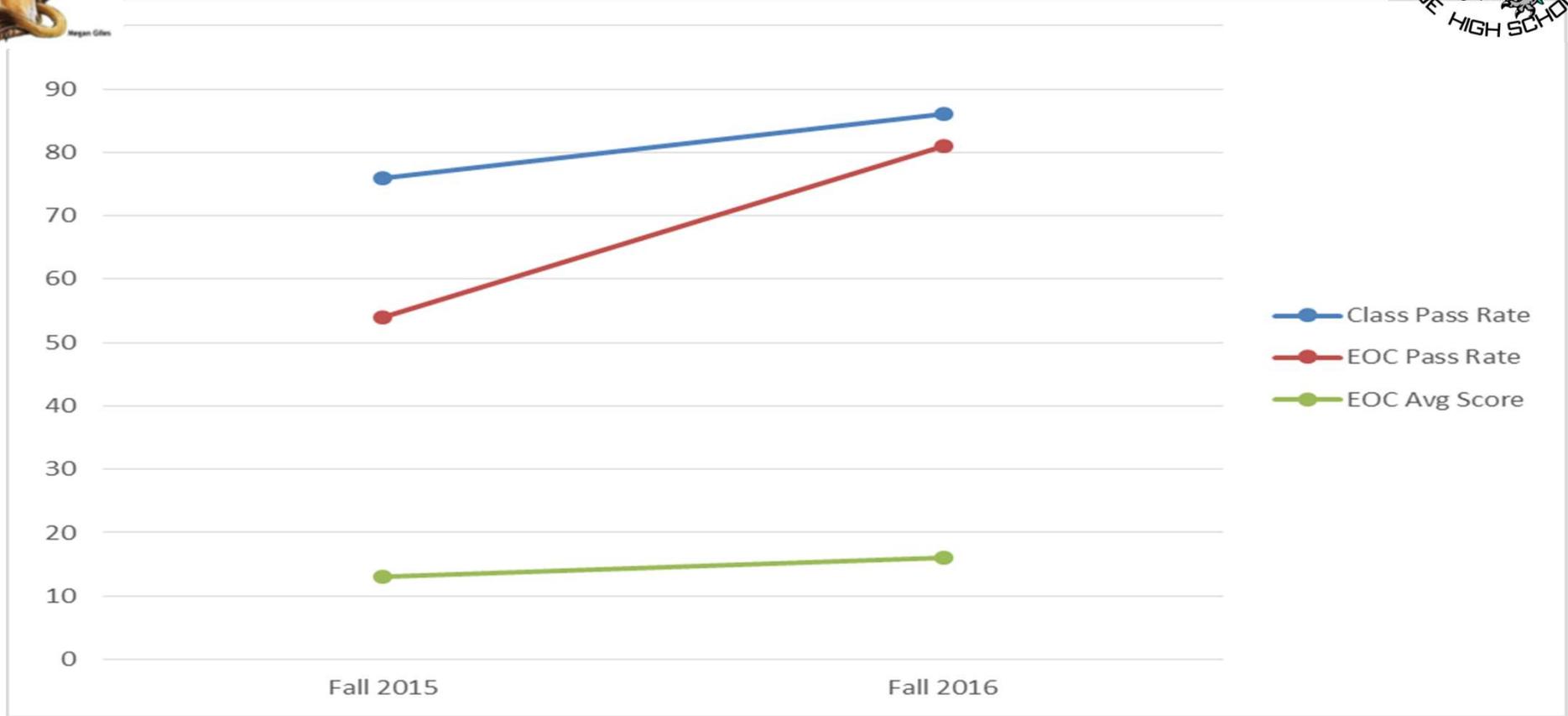


(Class Grade Point Average 81%- End of Course Exam Score Average 19- EOC Passing score 18)

ENGLISH

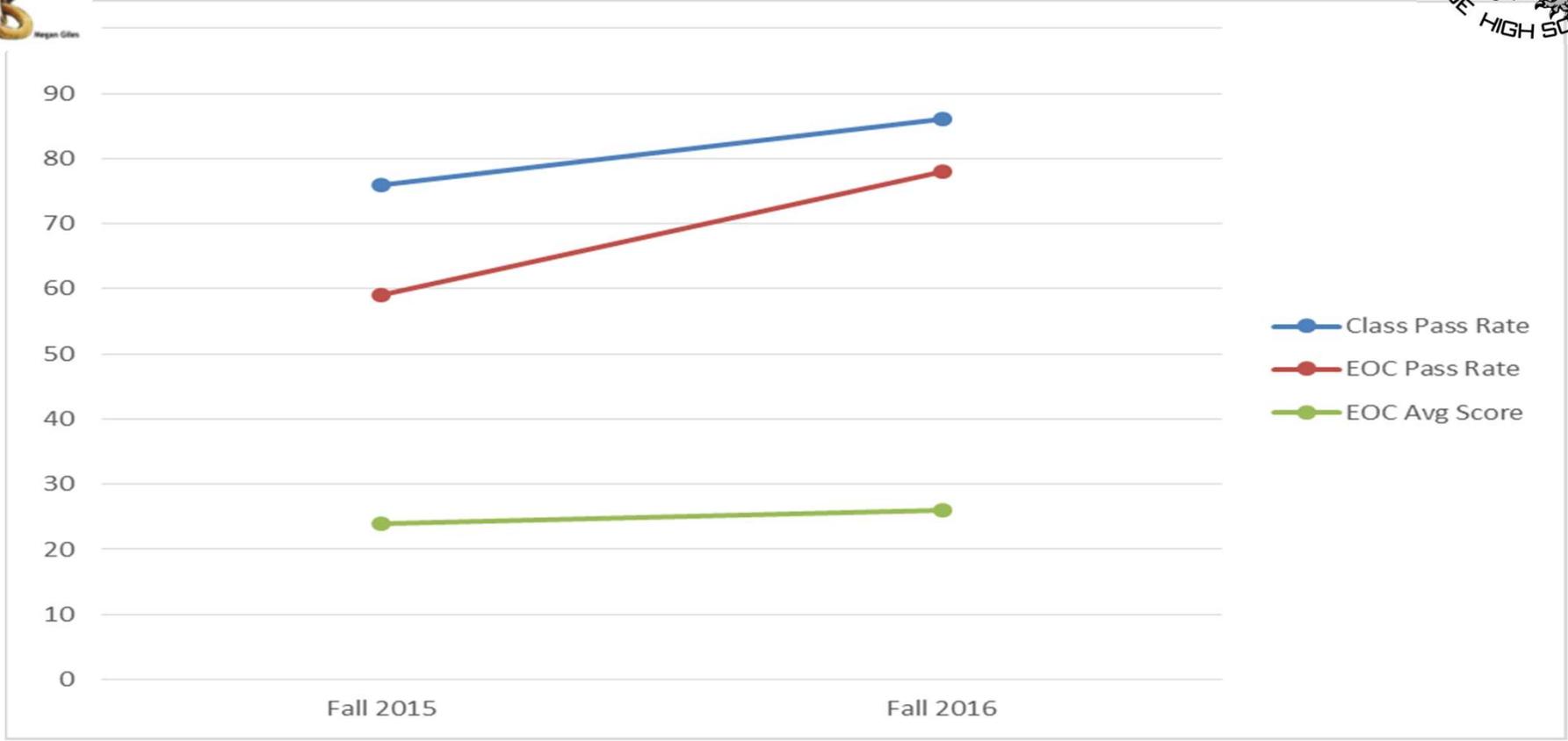


EARLY COLLEGE HIGH SCHOOL ENGLISH III READING TREND ANALYSIS



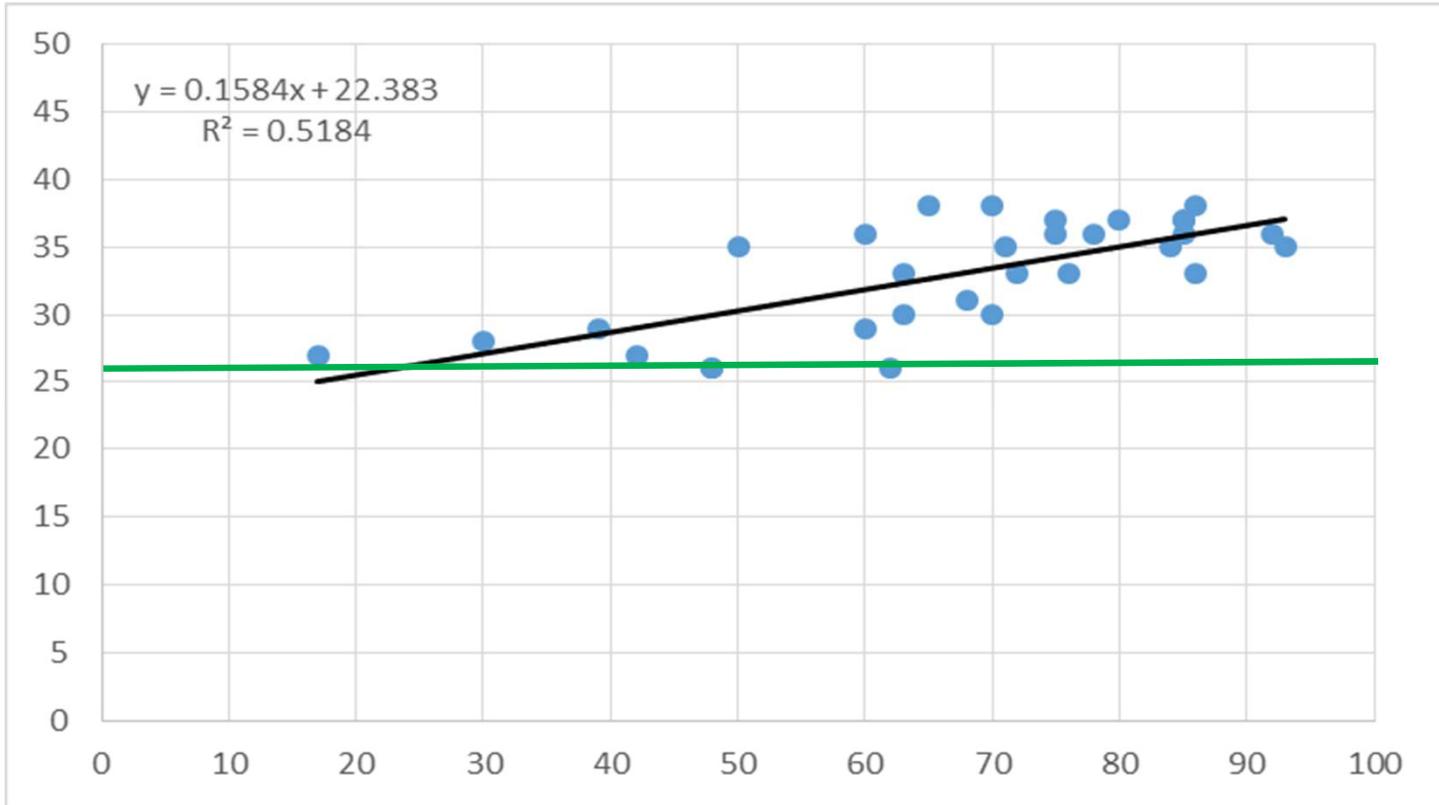
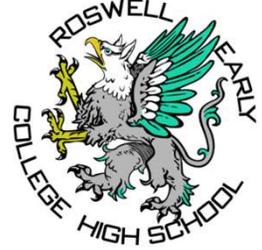


EARLY COLLEGE HIGH SCHOOL ENGLISH III WRITING TREND ANALYSIS





EARLY COLLEGE HIGH SCHOOL
ENGLISH IV WRITING
FINAL CLASS GRADE PERCENTAGE AND END OF COURSE EXAM
SPRING 2017 CORRELATION
(77% pass rate in class and 100% pass rate on EOC)

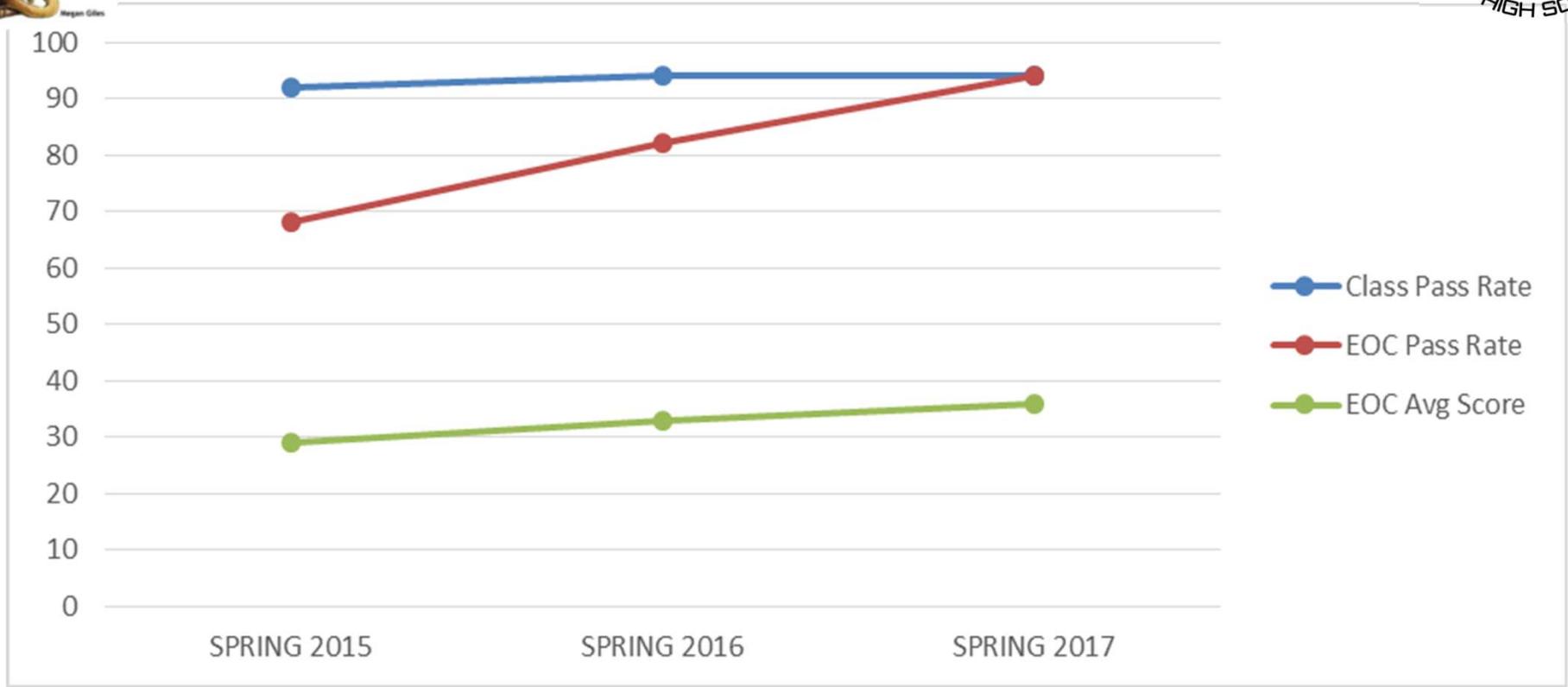


(Class Grade Point Average 67%- End of Course Exam Score Average 33- EOC Passing score 26)

SCIENCE

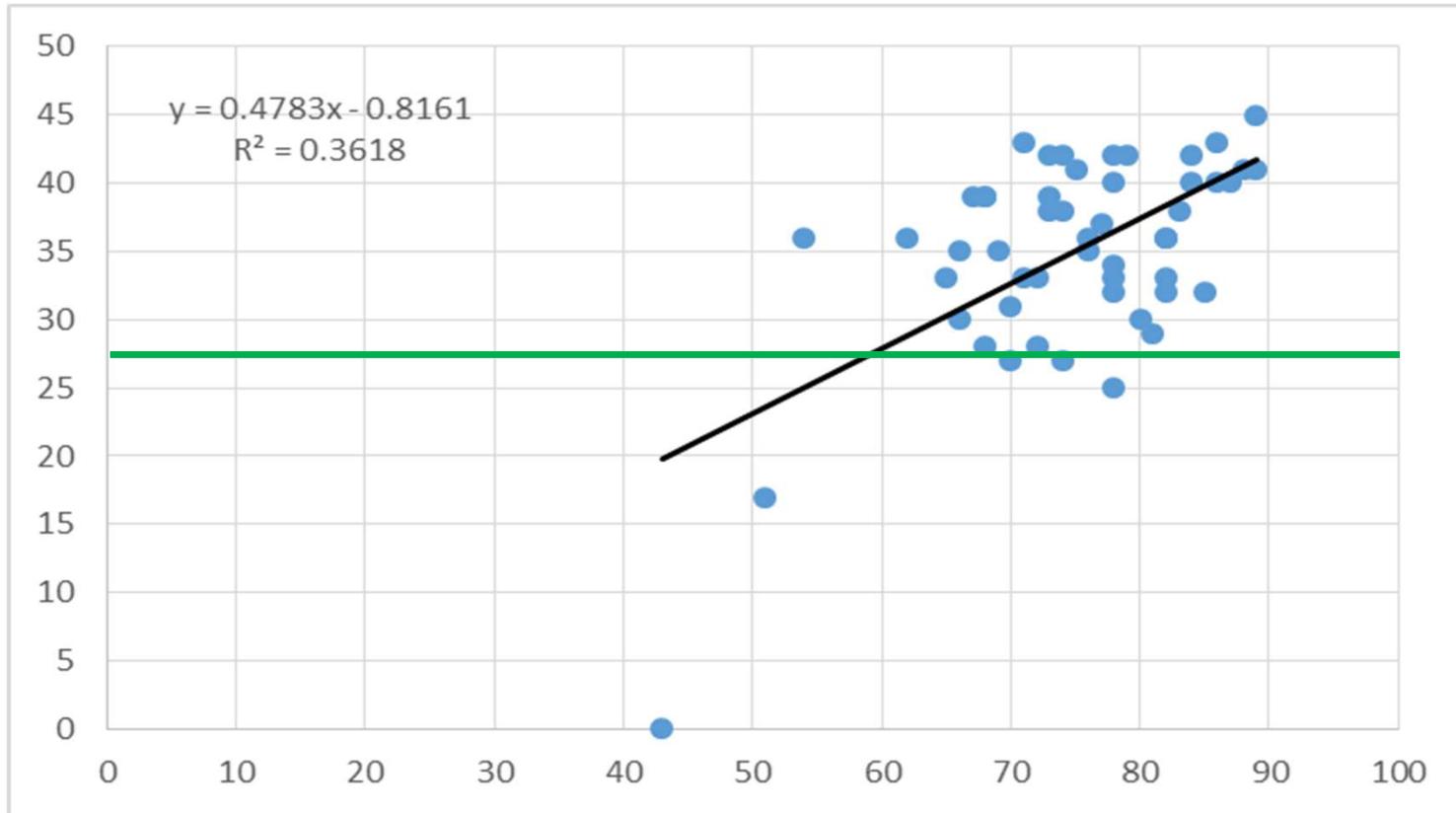
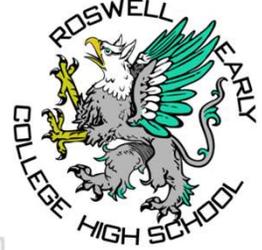


EARLY COLLEGE HIGH SCHOOL BIOLOGY TREND ANALYSIS





EARLY COLLEGE HIGH SCHOOL
BIOLOGY
FINAL CLASS GRADE PERCENTAGE AND END OF COURSE EXAM
SPRING 2016 CORRELATION
(94% pass rate in class and 94% pass rate on EOC)



(Class Grade Point Average 74%- End of Course Exam Score Average 36- EOC Passing score 27)



CAREER TECHNICAL STUDENT ORGANIZATION (CTSO)



2017



**FUTURE HEALTH
PROFESSIONALS**



BIOMEDICAL LABORATORY SCIENCE

BIOMEDICAL LABORATORY SCIENCE

2017 SILVER MEDALIST

YARELI REYES

ROSWELL EARLY COLLEGE HIGH
SCHOOL



New Mexico Champion

DENTAL SCIENCE



2017 BRONZE MEDALIST

NAYELI SANCHEZ

ROSWELL EARLY COLLEGE HIGH
SCHOOL



New Mexico Champion

**CREATIVE PROBLEM SOLVING
VETERINARY SCIENCE**

2017 SILVER MEDALIST

ELIZABETH MAGUIRE

ROSWELL EARLY COLLEGE HIGH
SCHOOL



New Mexico Champion



“There’s never been a better time to be a worker with special skills or the right education, because these people can use technology to create and capture value. However, there’s never been a worse time to be a worker with only “ordinary” skills and abilities to offer, because computers, robots, and other digital technologies are acquiring these skills and abilities at an extraordinary rate.”

The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies

– January 25, 2016

by [Erik Brynjolfsson](#) , [Andrew McAfee](#)

EMERGENCY MEDICAL SERVICES

Program Overview

The ENMU-Roswell's Emergency Medical Services (EMS) Program is an EMS Bureau Training Program designed for students interested in a career in pre-hospital emergency medicine. The Paramedic Program is also accredited by the Committee on Accreditation of Allied Health Educational Programs for the Emergency Medical Service Professions. The program provides the student with the theoretical and practical preparation to qualify the successful graduate at four levels of service: 1) Emergency Medical Responder, 2) Emergency Medical Technician, 3) Advanced Emergency Medical Technician, or 4) Paramedic. These levels of instruction meet or exceed the New Mexico EMS Minimal Curriculum Standards. The Emergency Medical Responder, EMT, Advanced EMT, and Paramedic also meet or exceed the National EMS Educational Standards for these levels. Upon successful completion of a level, the graduate is eligible to take the New Mexico State Licensure and/or National Registry of EMT's examination. ENMU-Roswell offers refresher courses for all levels of service and continuing education courses that are of interest to the Medical and Emergency Medical Services community.



ENMU-Roswell's EMS Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). ENMU-Roswell's EMS Education Program is a New Mexico Approved EMS Training Program.

Program Courses

Mandatory drug screening and criminal background checks are required for all EMS students prior to entering the clinical areas. Students pursuing an Associate of Science degree in EMS must complete the Paramedic Certificate Program and additional General Education requirements. The A.S. in Emergency Medical Services transfers into a Bachelor of Applied Arts and Sciences (BAAS) Degree program at ENMU.

See the current catalog for all of the complete degree plans and entrance requirements. Course availability varies each semester. Core courses include:

Emergency Medical Technician, Certificate of Employability -16 credit hours
 Advanced Emergency Medical Technician, Certificate of Employability-16.5 credit hours
 Emergency Medical Technician, Paramedic, Associate of Applied Science-67 credit hours
 Emergency Medical Services, Associate of Science-75 credit hours

EMS 121 Introduction to BMS.....	3	
EMS 101 BLS for the Healthcare Provider.....	0.5	
EMS 111 BMT.....	7	
EMS 111L EMT Practicum.....	2	
EMS 113 BMT Capstone.....	0.5	
EMS 203 Pathophysiology.....	3	
EMS 208 Pharmacology.....	3	
EMS 209L Paramedic Lab I.....	1	
EMS 204 Pre-hospital Airway Management.....	1	
EMS 206 Paramedic Trauma Life Support.....	3	
EMS 214 Pre-hospital Medical Life Support I.....	5	
EMS 210 BMS Colloquium I.....	1	
		EMS 211L Clinical Practicum I.....
		EMS 219L Paramedic Laboratory II.....
		EMS 224 Pre-hospital Medical Life Support II.....
		EMS 252 Special Consideration in EMS.....
		EMS 229L Paramedic Lab III.....
		EMS 240 BMS Colloquium II.....
		EMS 241L Clinical Practicum II.....
		EMS 251L EMS Vehicular Internship.....

EMERGENCY MEDICAL SERVICES

11TH GRADE

English	Math	Communications	Emergency Medical Services
ENMUR English 102**	ENMUR Intermediate Algebra Math 107***	ENMUR Success Skills for College and Life UNIV101*	ENMUR Semester 1 CTE 210 Employability Skills EMS 202 Introduction to Paramedic
		ENMUR Interpersonal Communications COMM 101*	ENMUR Semester 2 EMS 203 Pathophysiology EMS 204 Pre-Hospital Respiratory Airway Management
			EMS 204L Pre-Hospital Respiratory Airway

12TH GRADE

English	Math	Communications	Emergency Medical Services
ENG 104 English Composition and Research	STAT 213 Statistical Methods	CAS 201 Business Communication	ENMUR Semester 1 EMS 208 Pre-Hospital Pharmacology EMS 208L Pre-Hospital Pharmacology Lab
			EMS 205 Patient Assessment and Assessment
			EMS 205L Patient Assessment and Assessment
			EMS 214 Pre-Hospital Medical Life Support I EMS 214L Pre-Hospital Medical Life Support I Lab
		EMS 273 EMS Computer Applications	ENMUR Semester 2
			EMS 210 BMS Colloquium I
			EMS 222 BMS Operations EMS 222L EMS Operations Lab
			EMS 206 Paramedic Trauma Life Support

Should have been completed in 9th and 10th grade year. ENTR 101 The Entrepreneurial Mindset

**Need a 3.0 GPA & ENMU-R Accredited test placement in MATH 107 or Higher

Prerequisite: Satisfactory ACT scores or Math 09/098

***Need a 3.0 GPA & ENMU-R Accredited test placement in ENG 102 or Higher

Prerequisite: Satisfactory ACT scores or Placement Exam scores or ENG 096

HVAC TECHNOLOGY PATHWAY



Program Overview

The HVAC/R program at ENMU-Roswell is a Nationally Accredited program and the only one in Southeastern New Mexico. Heating, ventilation, air conditioning and refrigeration (HVAC/R) systems control temperature, humidity, and the total air quality in residential, commercial, and industrial structures worldwide. Additionally, the food service and medical industries rely very heavily upon the reliability of heating and cooling systems. HVAC/R technicians install, repair, and maintain these systems using strong mathematical skills, computer literacy, and communication skills, in addition to hands-on skills related to the latest technology specific to HVAC/R equipment, tools, and systems.

Completion Options

Student certification fees may apply and can vary from year to year. Consult the fees section of the catalog or program faculty for more information. The following certificate and degree options are available:

Commercial Refrigeration Certificate of Occupational Training-37 credit hours
HVAC Certificate of Occupational Training-41 credit hours

See the current catalog for the complete degree plan. Course availability varies each semester.

ELEC 101 Introduction to Electricity.....	4
HVAC 101 Intro to Air Conditioning & Refrigeration.....	4
HVAC 201 Refrigeration Cycle and Diagrams.....	4
HVAC 212 Heat Pumps.....	4
HVAC 235 Air Flow Principles/Duct Design.....	4
ELEC 201 - HVAC/R Advanced electricity.....	4
ELEC 202 Advanced Electricity.....	4
ELEC 203 HVAC/R Control Systems.....	4
REFR 202 Ice Makers.....	4
HVAC 203 HVAC Heating Systems.....	4
REFR 210 Multiplexed Evaporator Systems.....	4
HVAC 218 HVAC/R Service & Problem Analysis.....	4
HVAC 294 Co-op/Internship Training.....	3

Career Outlook

According to the Air Conditioning and Refrigeration Institute, an additional 20,000 HVAC/R technicians are needed each year. New Mexico Department of Labor statistics also report an expected 33% growth in the HVAC/R industry over the next several years.

The average entry level salary range in New Mexico for a professional with an Associate of Applied Science degree in Heating, Ventilation, Air Conditioning-Refrigeration Technology is \$29,000-\$39,000 a year.

Top related in demand occupations: HVAC mechanic, refrigeration mechanics/installers, home appliance and vending machine repairs, line installers

See also related fields: Industrial Engineering, Engineering and Design Technology
Why HVAC?

Students get hands-on training on a variety of equipment.

Students can work all over the world specializing in HVAC/R.

Through this accredited program, students will receive the best training available.

HEATING, VENTILATION, AIR CONDITIONING, & REFRIGERATION TECHNOLOGY

9TH GRADE

English	Math	Science	History	PE/ Health	Career Pathway
English 9	Algebra I Geometry*	General Science	NM History	Health	Introductory Craft Skills STARS 0402 HVAC 101 - Introduction to HVAC STARS 0434 ELEC 101 - Introduction to Electricity STARS 0441

10TH GRADE

English	Math	Science	History	PE/ Health	Career Pathway
English 10	Geometry Algebra II*	Biology	World History	Physical Fitness	HVAC 201 - Refrigeration Cycle and Diagrams STARS 0432 HVAC 212 - Heat Pumps STARS 0435 IET 107 - Basic Plumbing STARS 0438

11TH GRADE

English	Math	Science	History	PE/ Health	Career Pathway
English 11	Algebra II Financial Literacy*	Physical Science	US History		UNIV 101 - Principles of Student Success STARS 0803 CTE 210 - Employability Skills STARS 1604 ELEC 205 - HVAC/R Advanced Electricity STARS 0435

12TH GRADE

English	Math	Science	History	PE/ Health	Career Pathway
English 12	Financial Literacy		Government/ Economics		ENGR 111 - Technical Drawing STARS 0702 IET 205 - Advanced Woodworking STARS 0418 Current - Industrial Technology Associates of Applied Science





EASTERN CLIPS

Published For The Friends of Eastern New Mexico University - Roswell

June/July 2016

Volume 25.3

RISD And ENMU-Roswell Recognize First Graduate Of Early College High School

Tanner Thornton, 15, is the first graduate of Early College High School (ECHS). Thornton was recognized for his unique achievement during the 65th Commencement Convocation on May 13. Thornton completed the requirements to earn his high school diploma and he will complete his Associate of Applied Science degree in Mathematics after he finishes two classes (psychology and physical education) this summer.

Thornton began taking college algebra classes when he was an 11-year old student at Sidney Gutierrez Middle School.

When he enrolled in Early College High School, he had already earned many college credits. He completed 18-20 credit hours each semester and was able to complete the four-year early college program in just two years. Thornton will complete ENMU-Roswell classes this summer on the Presidential Scholarship. He then plans to enroll at NM Tech in Socorro in the fall to study mechanical engineering on the NM Lottery Scholarship. For more information about ECHS, contact Principal, Porter Cutrell at 575-627-2751.



Porter Cutrell, ECHS Principal, recognized Thornton during the ENMU-Roswell commencement ceremony.



What is GRIT ?

✓ **GRIT** is Passion + Perseverance over a long period of time
(Duckworth, 2016)

✓ **GRIT** is important because research has determined that **EFFORT** is more important than **TALENT (IQ)** when it comes to **SUCCESS** in school and in life (Duckworth, 2016)!!!

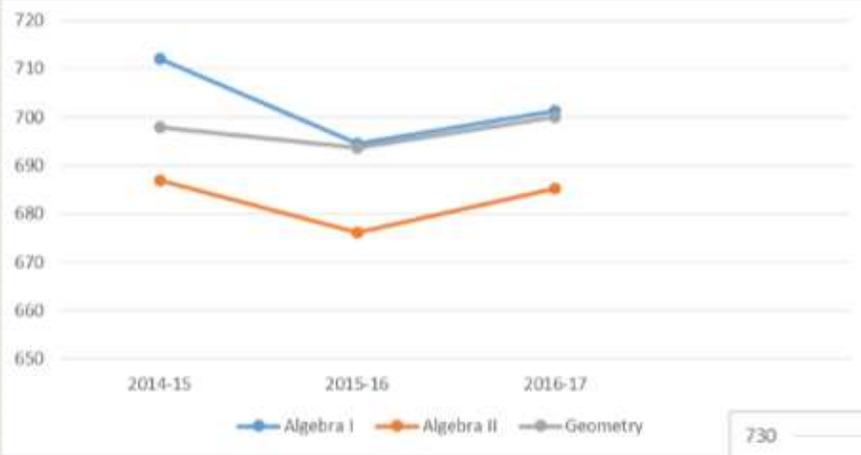
Formula: Talent x **EFFORT** = Skill
Skill x **EFFORT** = Achievement



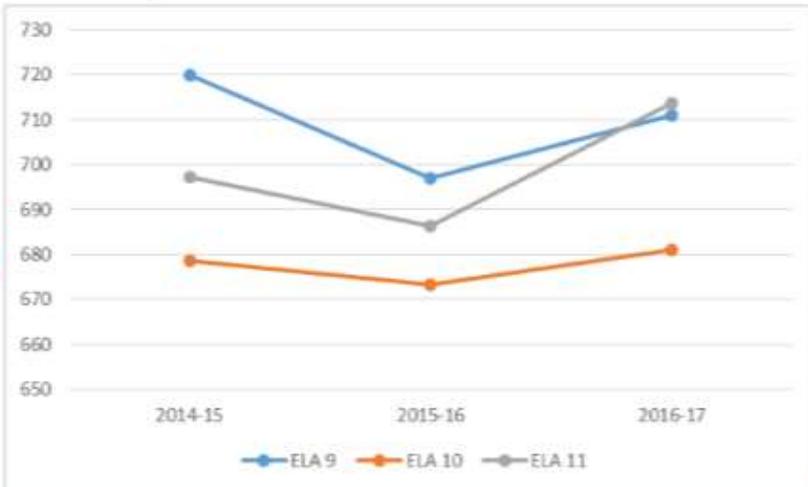


UNIVERSITY HIGH SCHOOL
PARCC
TREND ANALYSIS
2015-2017

UNIVERSITY HIGH SCHOOL												TRENDS			
Class	Spring 2015			Class	Spring 2016			Class	Spring 2017			Class	TRENDS		
	Avg Scale Score	Avg Scale Score	Avg Scale Score		Avg Scale Score	Avg Scale Score	Avg Scale Score		Avg Scale Score	Avg Scale Score	Avg Scale Score		Avg Scale Score	Avg Scale Score	Avg Scale Score
	STATE	DISTRICT	SCHOOL		STATE	DISTRICT	SCHOOL		STATE	DISTRICT	SCHOOL		STATE	DISTRICT	SCHOOL
ENGLISH 9	728.0	729.70	719.9	ENGLISH 9	729.0	731.30	697.1	ENGLISH 9	728.0	729.0	711.0	ENGLISH 9	-1.0	-2.3	13.9
ENGLISH 10	729.0	723.30	678.6	ENGLISH 10	730.0	723.90	673.4	ENGLISH 10	728.00	725.00	681	ENGLISH 10	-2.0	3.1	7.6
ENGLISH 11	785.0	781.30	697.3	ENGLISH 11	782.0	731.60	686.4	ENGLISH 11	781.0	734.0	714	ENGLISH 11	-1.0	6.4	27.8
												TOTAL	-4.0	2.2	49.3
ALGEBRA I	723.0	718.3	712.1	ALGEBRA I	723.0	722.6	694.5	ALGEBRA I	724.0	720.0	701.2	ALGEBRA I	1.00	3.40	6.7
GEOMETRY	721.0	721.8	697.9	GEOMETRY	725.0	728.2	693.6	GEOMETRY	725.0	723.0	700.0	GEOMETRY	0.00	-2.20	6.4
ALGEBRA II	718.0	707.9	687.0	ALGEBRA II	715.0	703.9	676.2	ALGEBRA II	714.00	709.00	685.20	ALGEBRA II	-1.00	4.10	9.0
												TOTAL	0.0	3.9	22.1



PARCC TRENDS



QUESTIONS



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Roswell Early College High School
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575-627-2751