

2012-2013

SCHOOL INNOVATION

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2012-2013

Wake
Young Women's
Leadership
Academy

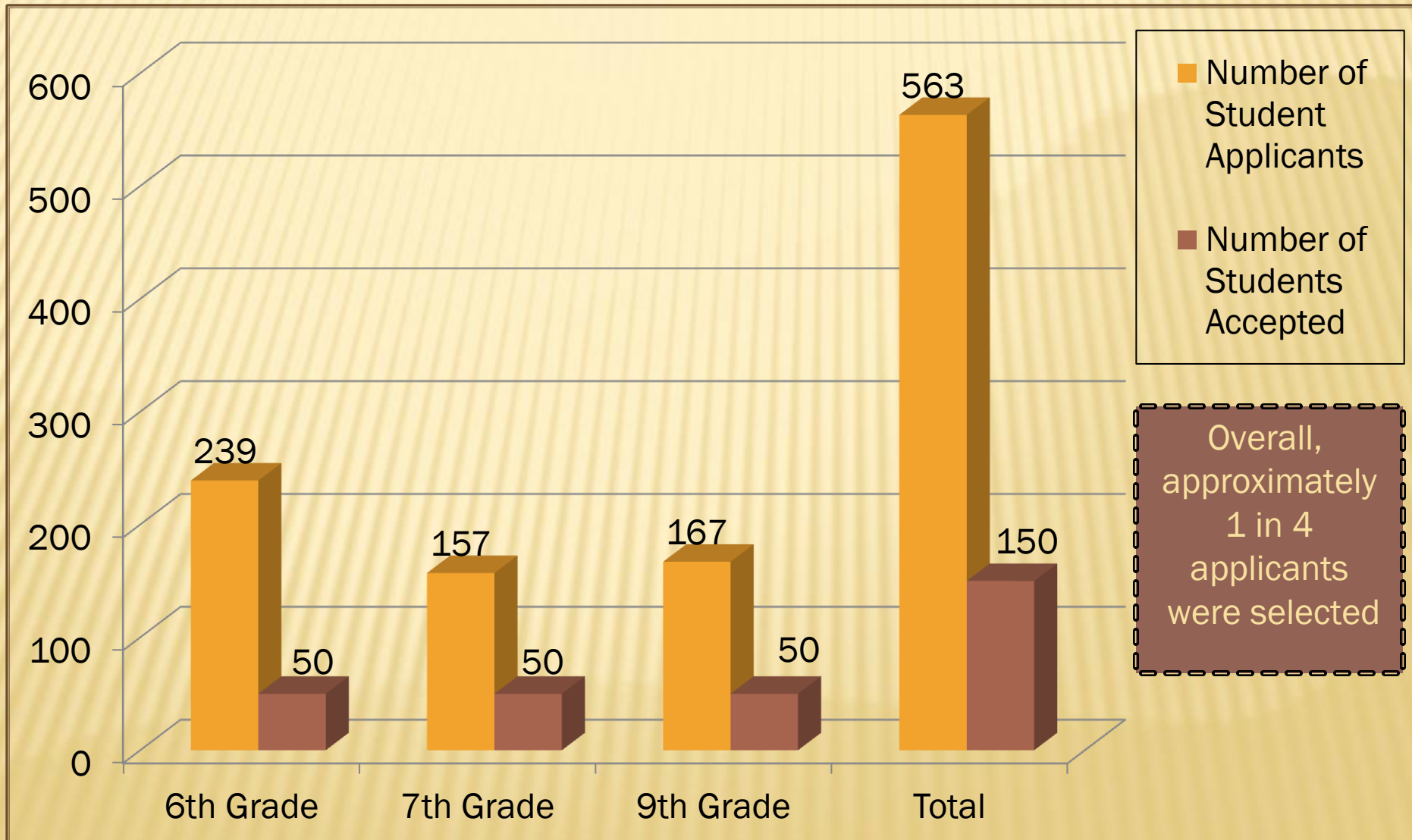
Wake
Young Men's
Leadership
Academy

Hilburn Academy

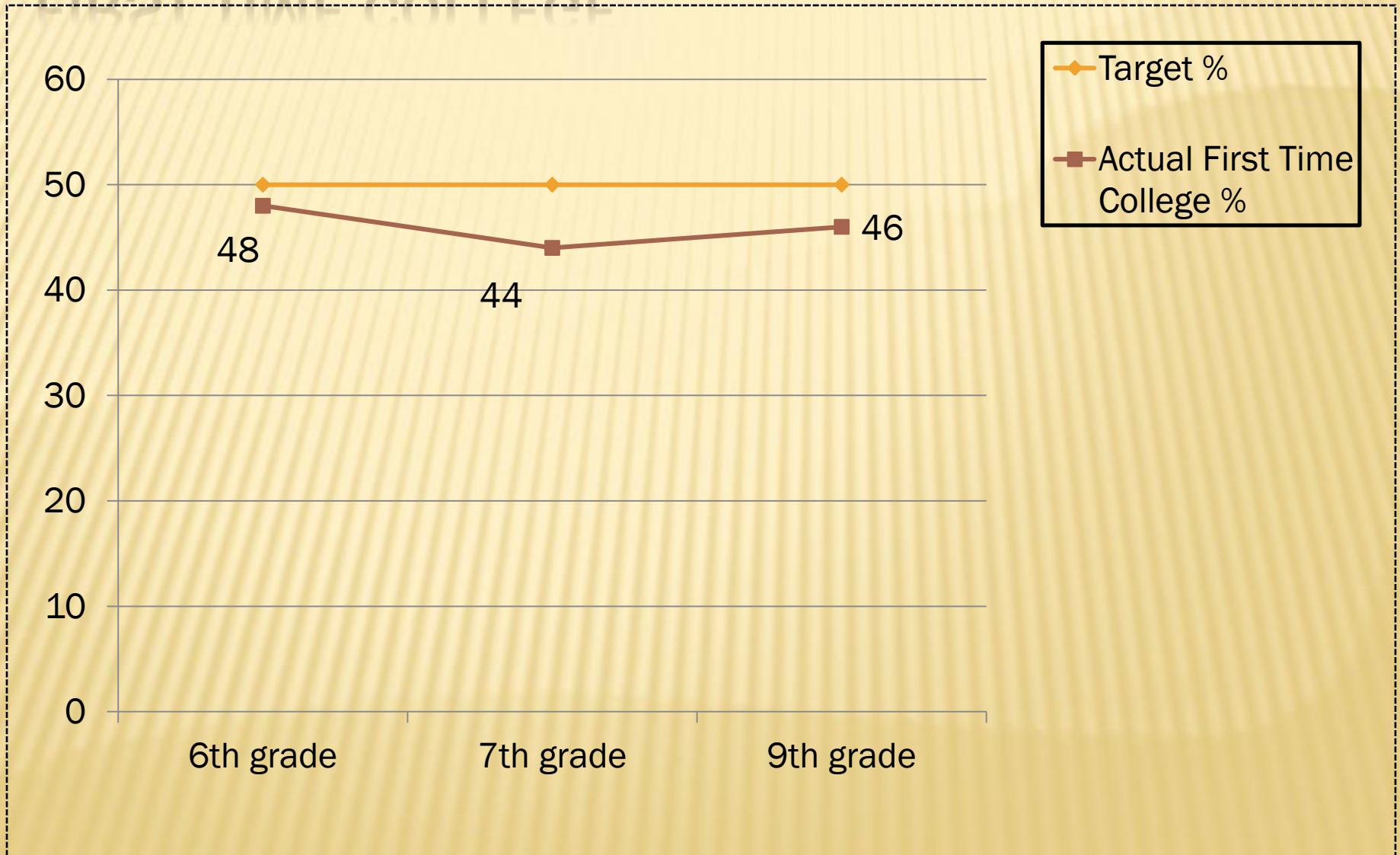
21st century learning campus

**WAKE YOUNG WOMEN'S
LEADERSHIP ACADEMY**

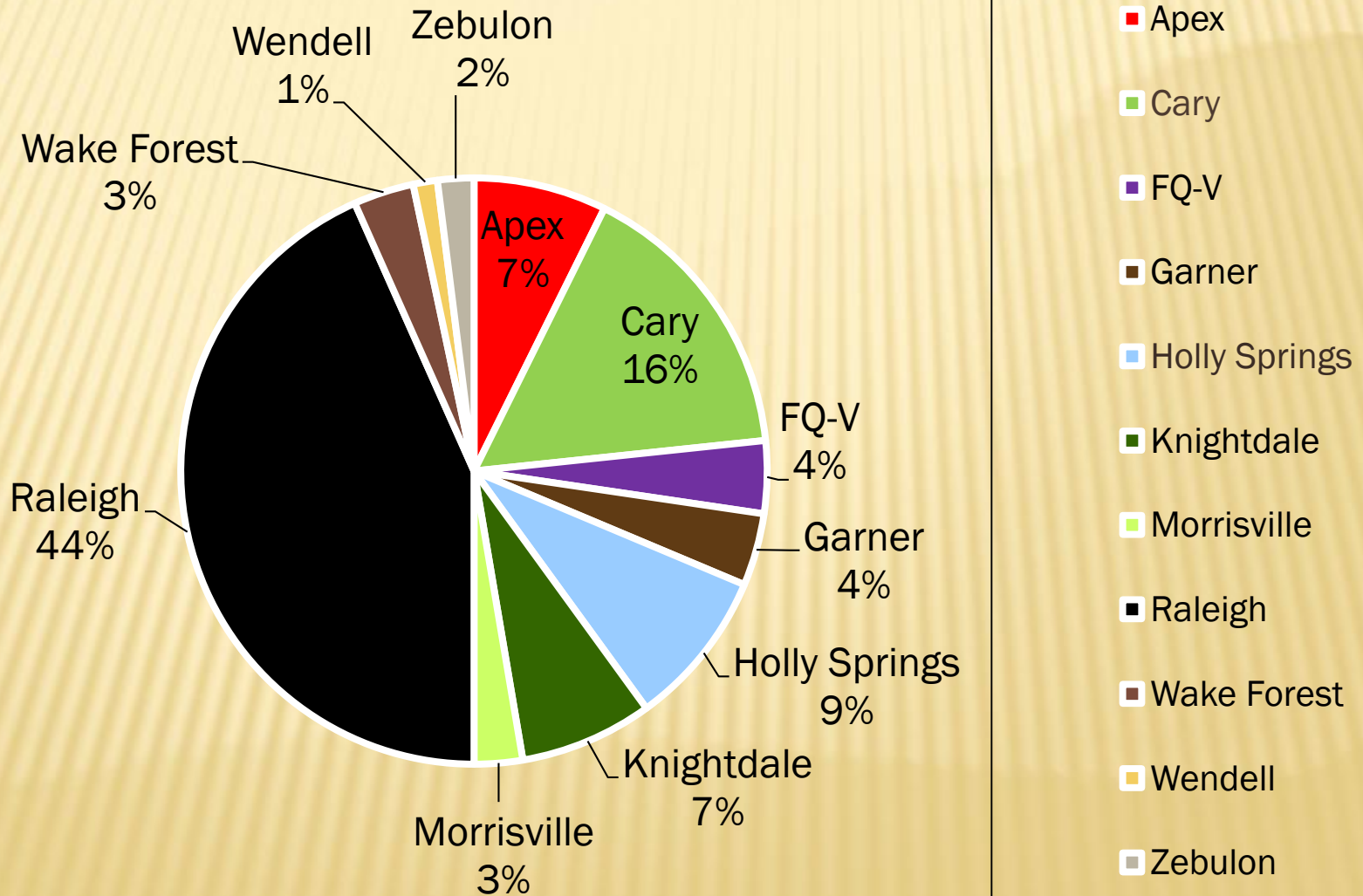
WAKE YOUNG WOMEN'S LEADERSHIP ACADEMY



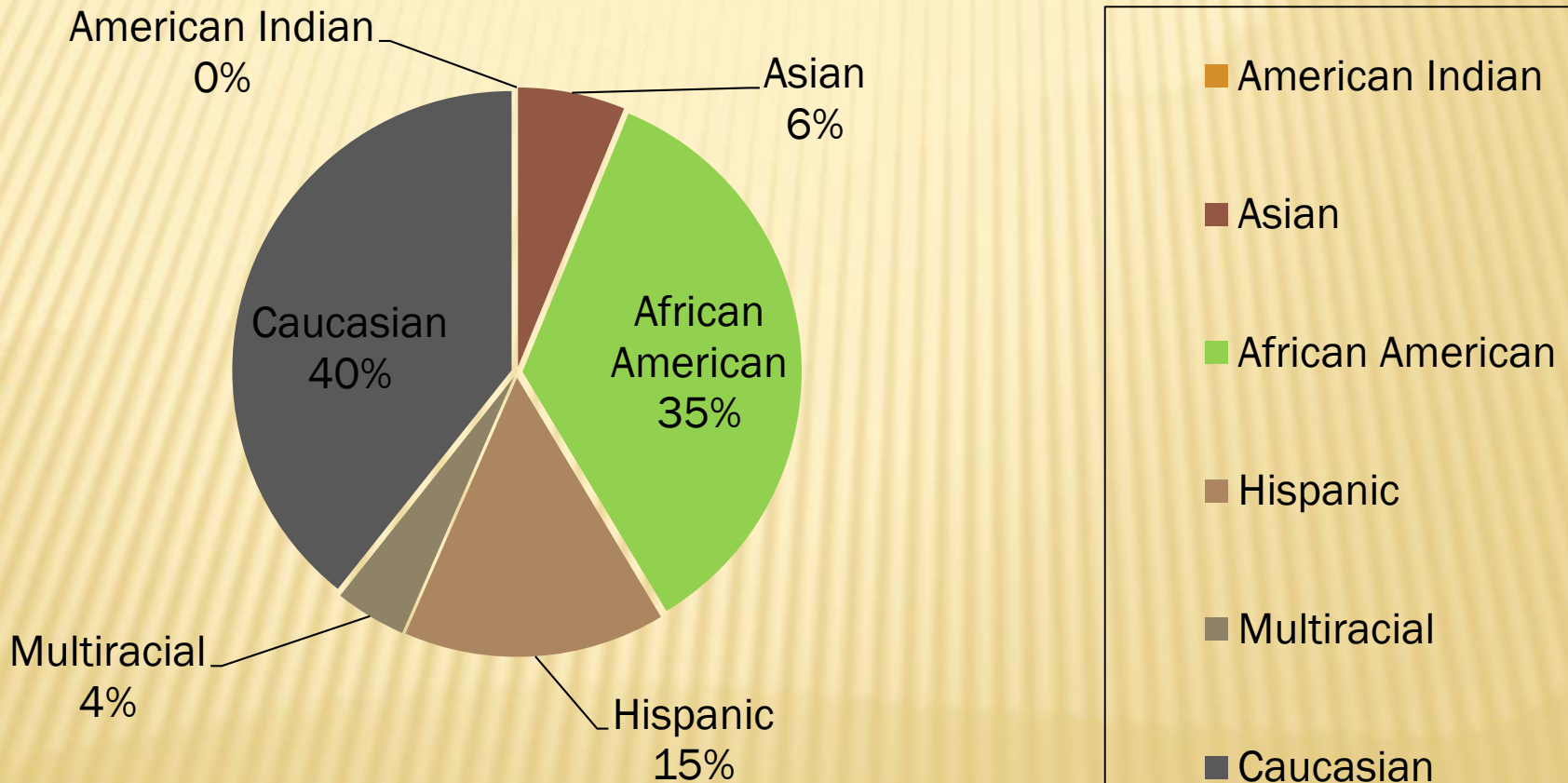
WAKE YOUNG WOMEN'S LEADERSHIP ACADEMY FIRST TIME COLLEGE



WAKE YOUNG WOMEN'S LEADERSHIP ACADEMY MUNICIPALITY REPRESENTATION



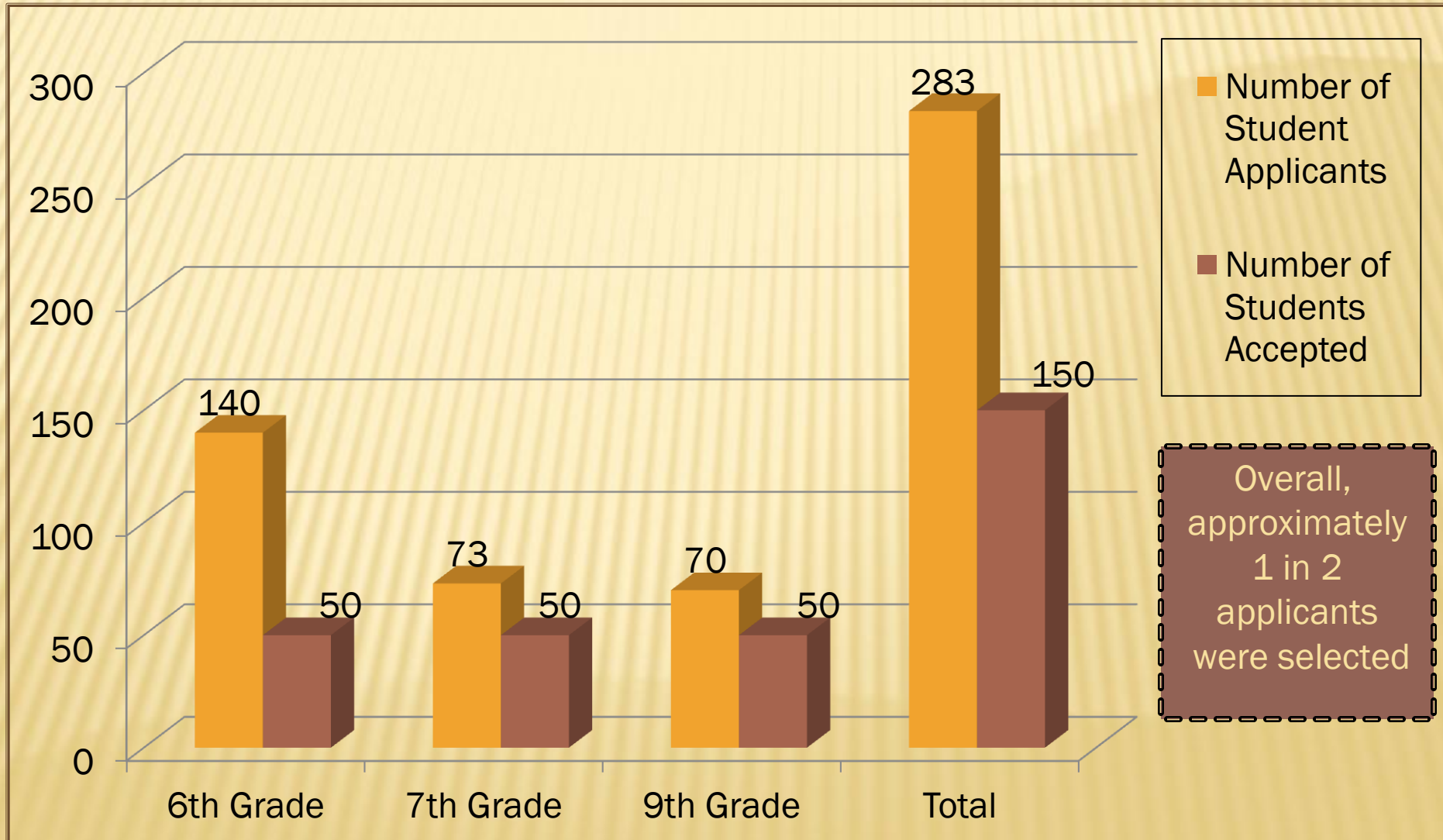
WAKE YOUNG WOMEN'S LEADERSHIP ACADEMY



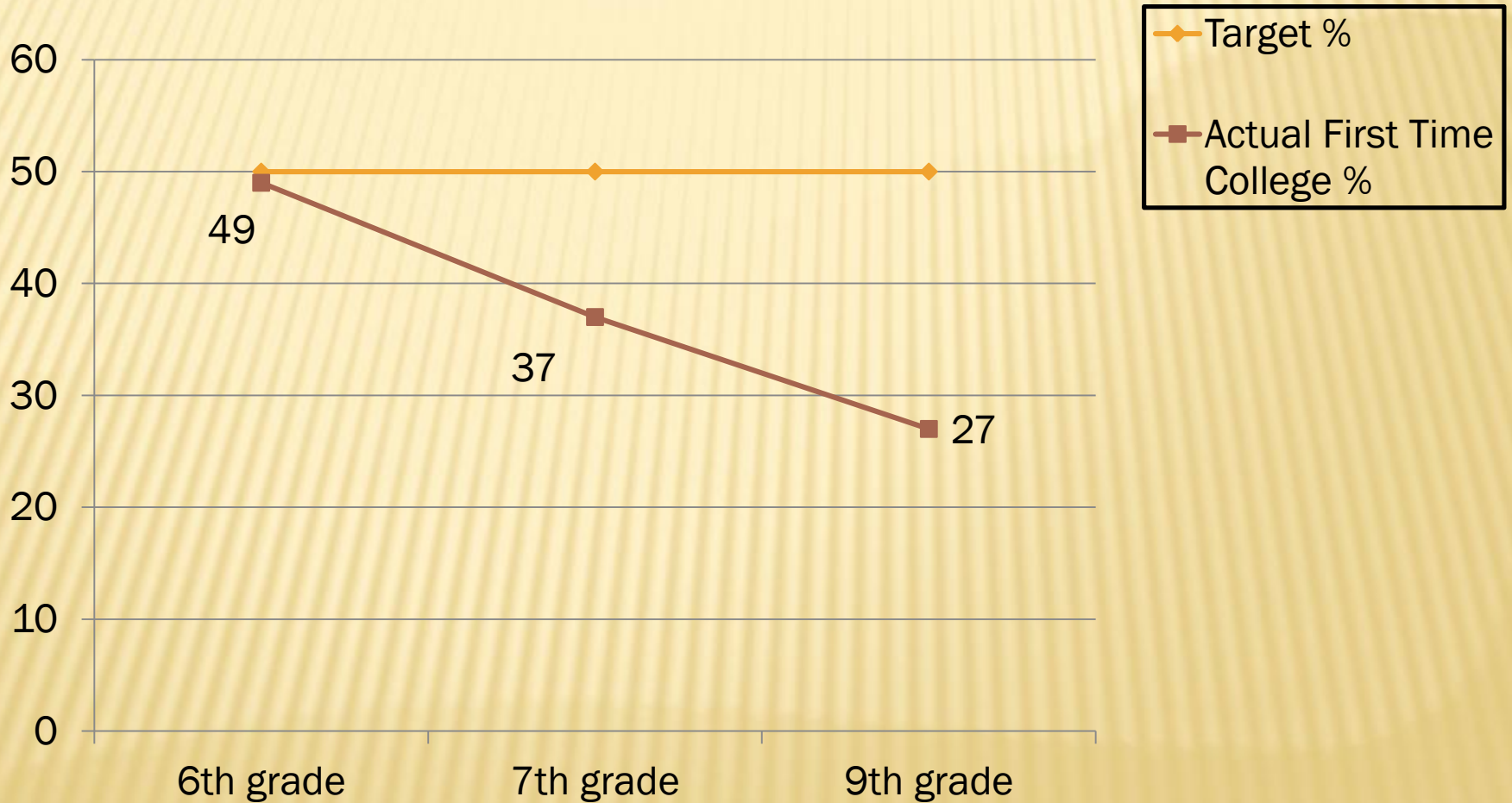
33% Free & Reduced Lunch

**WAKE YOUNG MEN'S
LEADERSHIP ACADEMY**

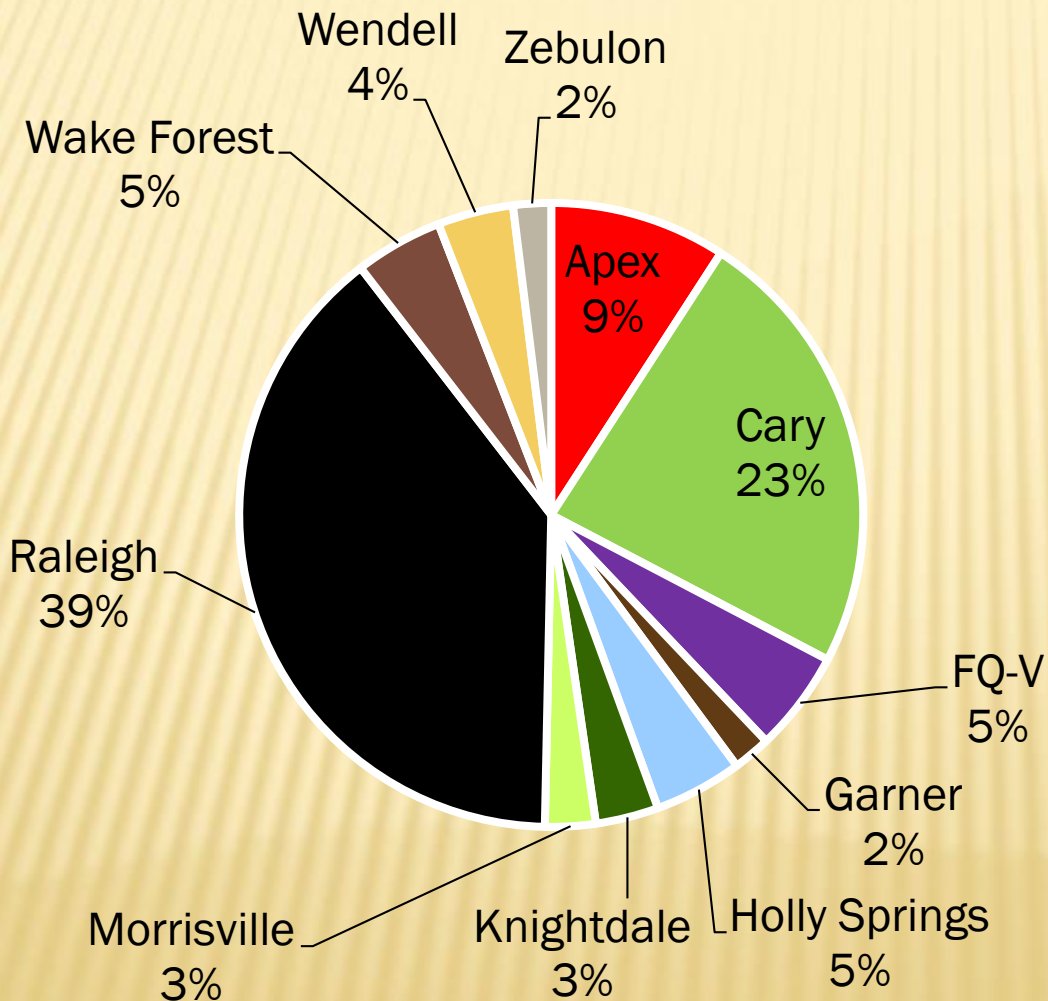
WAKE YOUNG MEN'S LEADERSHIP ACADEMY



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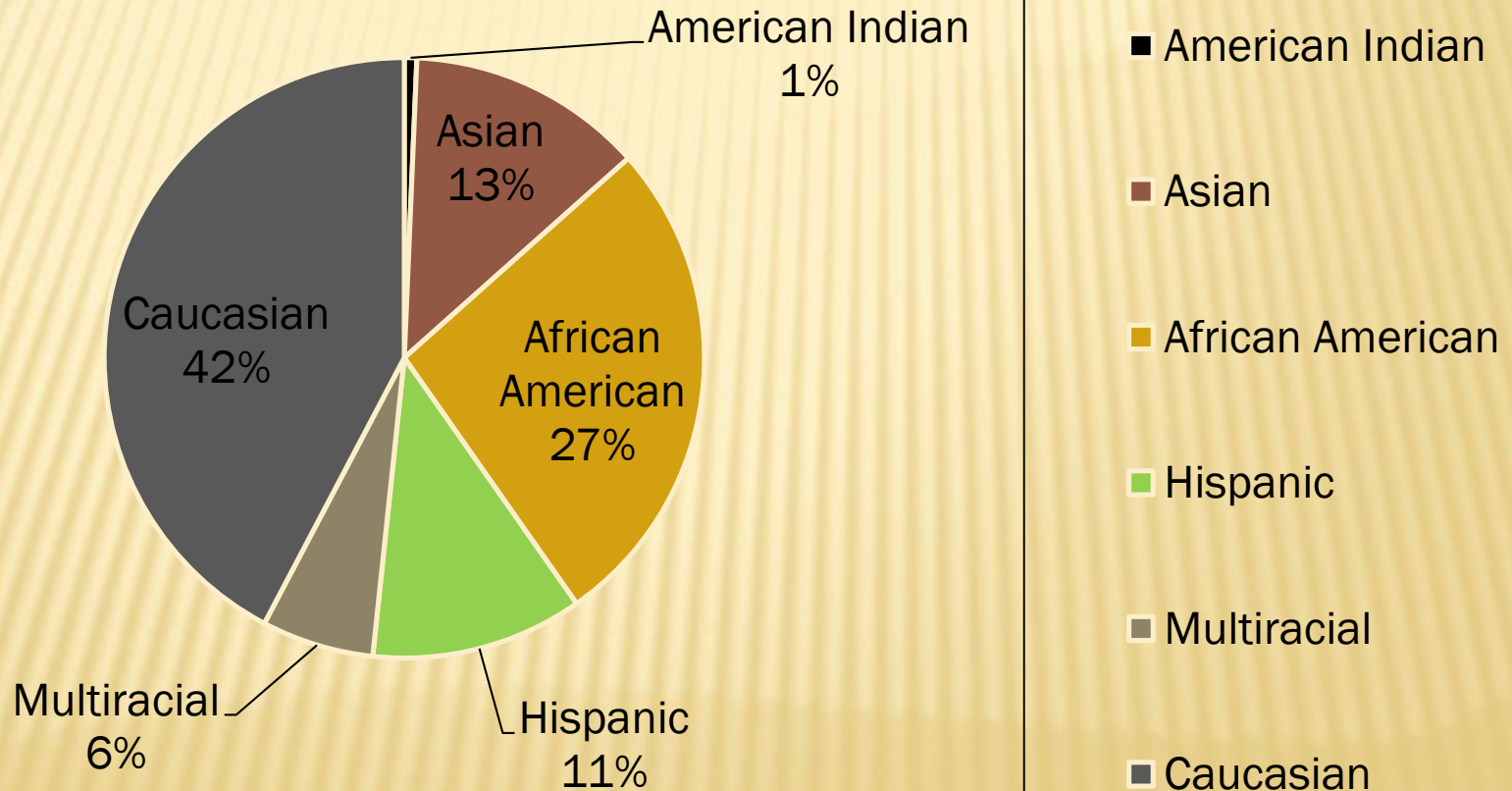
WAKE YOUNG MEN'S LEADERSHIP ACADEMY MUNICIPALITY REPRESENTATION



- Apex
- Cary
- FQ-V
- Garner
- Holly Springs
- Knightdale
- Morrisville
- Raleigh
- Wake Forest
- Wendell
- Zebulon

WAKE YOUNG MEN'S LEADERSHIP ACADEMY

43% Free & Reduced Lunch



LEADERSHIP THEME DEVELOPMENT

✘ Academic Leadership

- + Freshman Seminar: ActivateGood.org
- + Advisory Program: Spiraling Curricula with focus on individual leadership skills
- + Hiring staff

✘ Community and Career Leadership

- + Summer Leadership Camp (Shelton Leadership Institute) Week of July 30th - Funding Secured
- + Raleigh Business and Technology Center: Youth Chamber of Commerce

BUSINESS PARTNERS

- ✘ Raleigh Business & Technology Center
- ✘ Government
 - + North Carolina
 - + Wake County
 - + City of Raleigh
- ✘ NC State University – Shelton Leadership
- ✘ Fifth Third Bank
- ✘ Raleigh Chamber

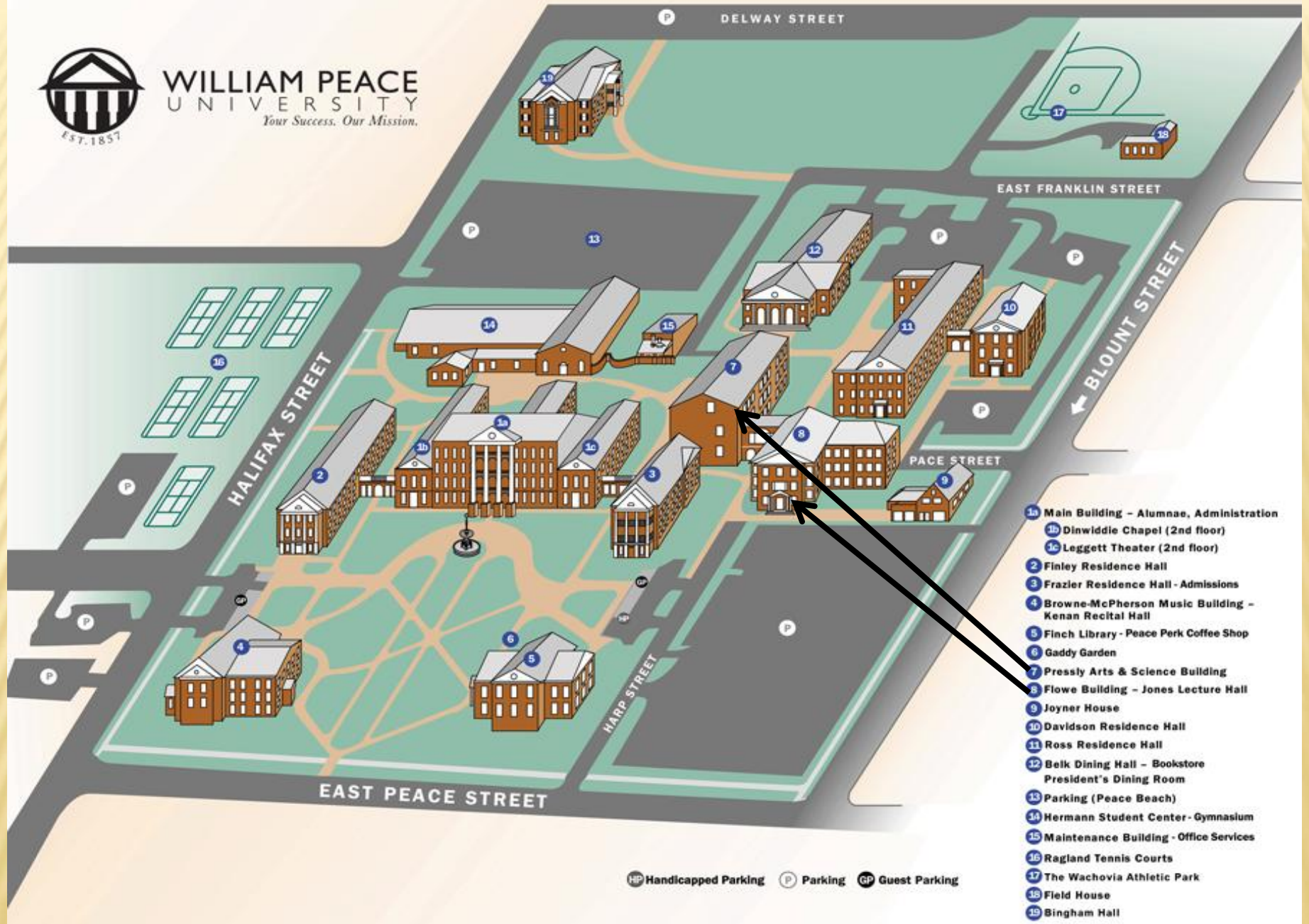


WILLIAM PEACE UNIVERSITY

Our Early College Partner



**WILLIAM PEACE
UNIVERSITY**
Your Success. Our Mission.



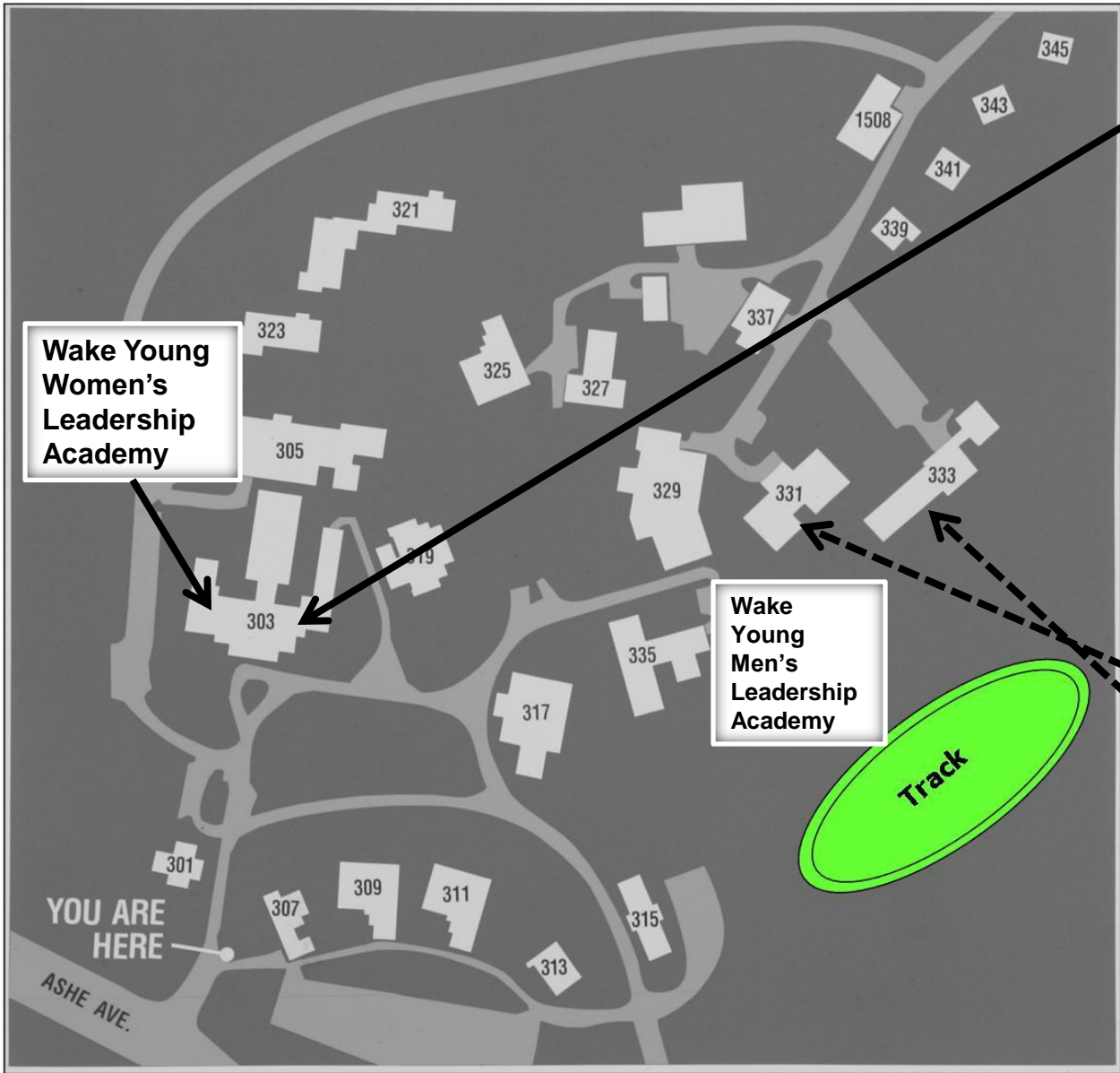
- 1a Main Building - Alumnae, Administration
- 1b Dinwiddie Chapel (2nd floor)
- 1c Leggett Theater (2nd floor)
- 2 Finley Residence Hall
- 3 Frazier Residence Hall - Admissions
- 4 Browne-McPherson Music Building - Kenan Recital Hall
- 5 Finch Library - Peace Perk Coffee Shop
- 6 Gaddy Garden
- 7 Pressly Arts & Science Building
- 8 Flowe Building - Jones Lecture Hall
- 9 Joyner House
- 10 Davidson Residence Hall
- 11 Ross Residence Hall
- 12 Belk Dining Hall - Bookstore
President's Dining Room
- 13 Parking (Peace Beach)
- 14 Hermann Student Center - Gymnasium
- 15 Maintenance Building - Office Services
- 16 Ragland Tennis Courts
- 17 The Wachovia Athletic Park
- 18 Field House
- 19 Bingham Hall

HP Handicapped Parking P Parking GP Guest Parking



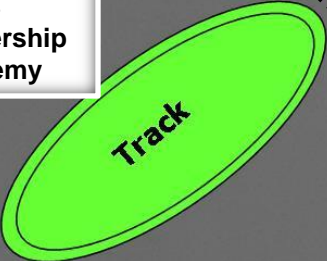
GOVERNOR MOREHEAD CAMPUS

Middle School Campus



Wake Young Women's Leadership Academy

Wake Young Men's Leadership Academy



GMS Campus Directory	
Administration Building	301
Lineberry Building	303
Crockett-Peeler Building	305
Cole Building	307
Fisher Building	309
Cooke Building	311
Building IV	313
Haywood Building	315
John Ray Gymnasium	317
Simpson Building	319
Dormitories A&B	321
Dormitories C&D	323
Cox Building	325
Milsap Building	327
Weathers-Hill Dining Hall	329
Currin Building	331
Cathey Building	333
Penland Building	335
Maintenance Building	337
Home-Ec Building	339
Block House I	341
Transition House	343
Block House III	345
South Building	1508

VISION: WAKE LEADERSHIP ACADEMIES

✘ Phase 1

- + High School Students at William Peace University
- + Middle School Students at Governor Morehead

✘ Phase 2

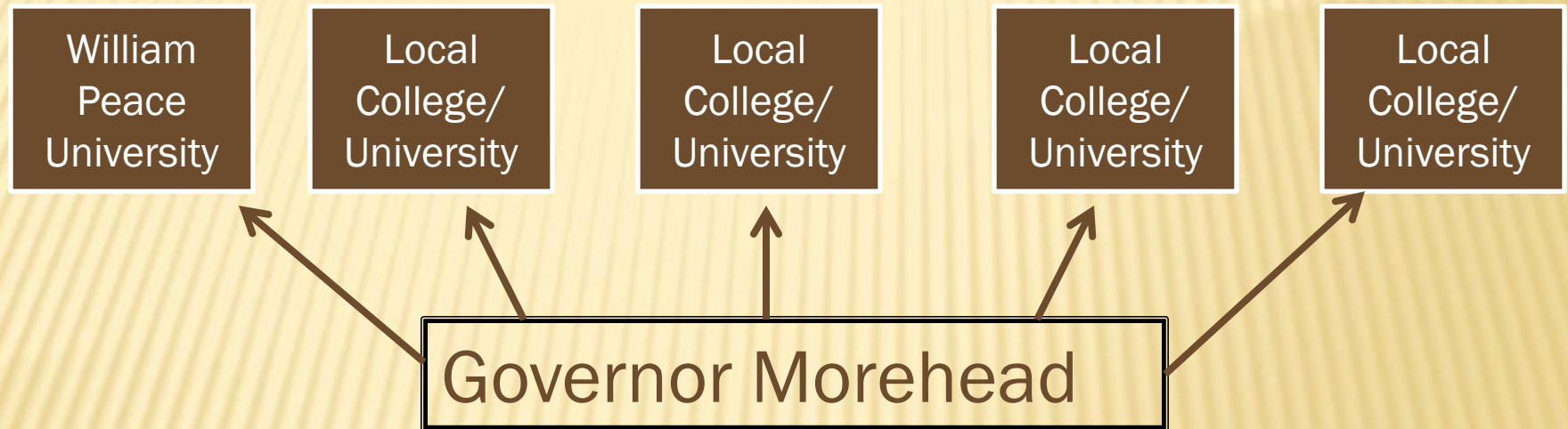
- + Explore expansion of early college programs with local colleges and universities
- + Consider other programs at Governor Morehead Campus as means to adding downtown Raleigh capacity

✘ Phase 3

- + Align space usage at Governor Morehead with expansion plan

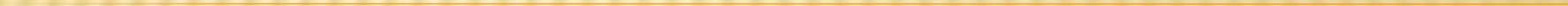
POTENTIAL EXPANSION

Expand Available Seats and College/University Options

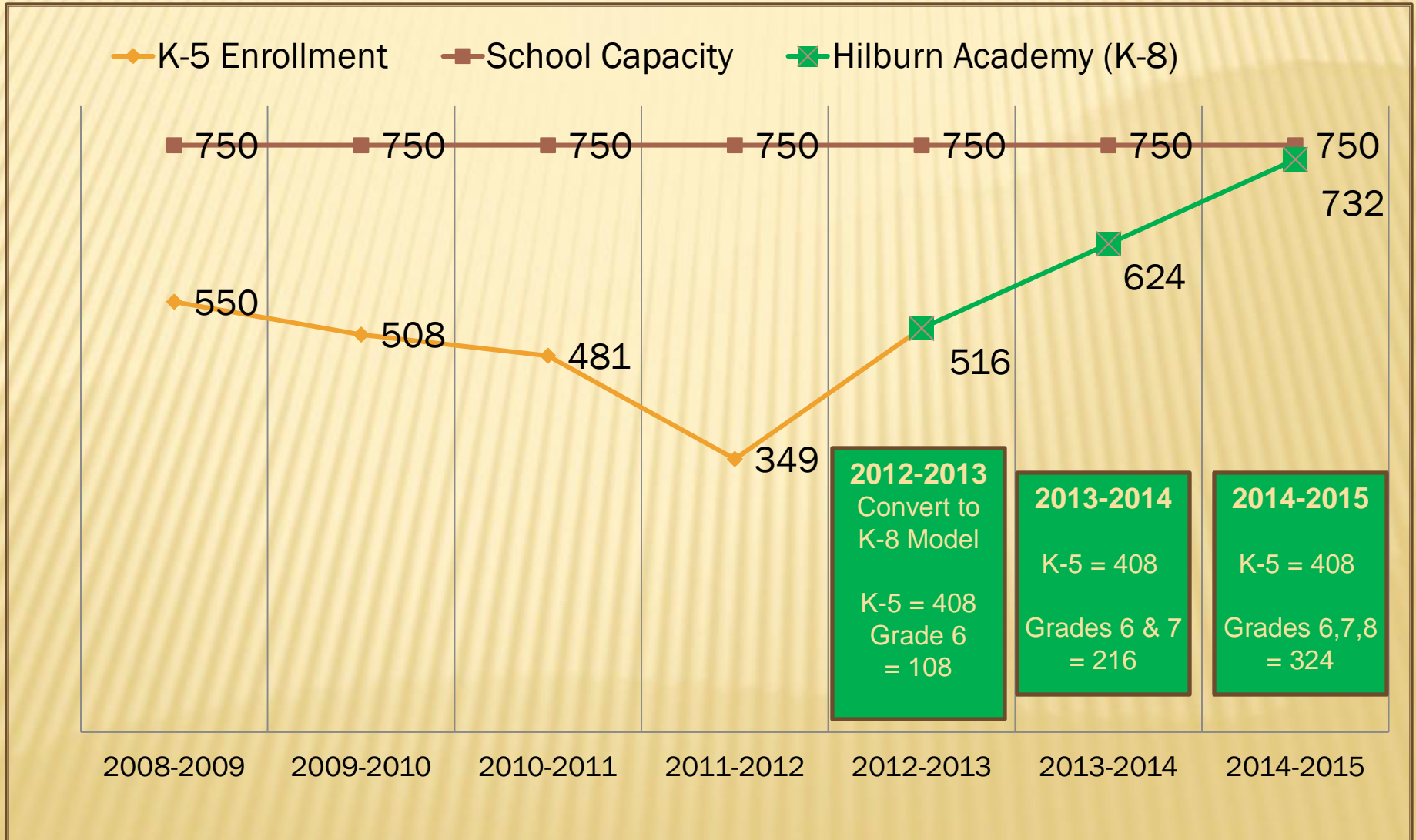


HILBURN DRIVE ACADEMY

HILBURN DRIVE ACADEMY

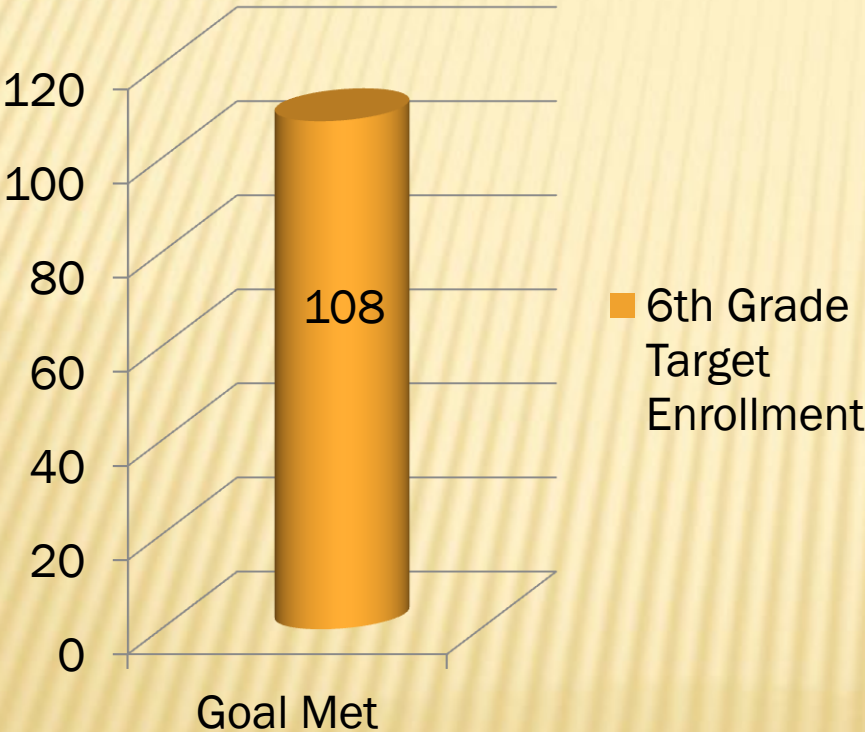


HILBURN ACADEMY (K-8 MODEL)

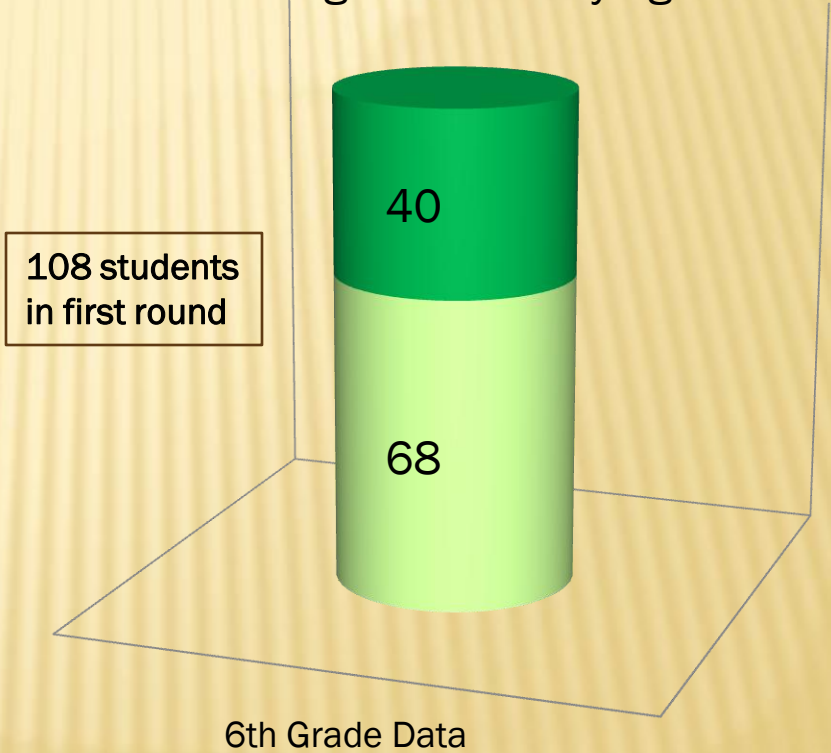


HILBURN ACADEMY (K-8 MODEL)

6th Grade Target Enrollment



- Newly Selected
- Pre-Assigned and Staying



HILBURN DRIVE ACADEMY K-8 CONVERSION TIMELINE

April – Hiring new program staff

May – Reception for all rising 6th graders and parents

June – STEM Expo #3: Clean Water Access & Innovation

July - Installation of new roof, if approved
- Band room construction begins

Aug. - Interior modifications and furnishings complete

Dec./Jan. - Science & Engineering building and modification to grounds complete

HILBURN DRIVE ACADEMY

STEM & GLOBAL PROGRAM DEVELOPMENT

- ✘ Global Studies Passport Program
 - + Implementation 2012-2013
 - + Potentially enhanced through VIF teachers at select grade levels
- ✘ Proposed percussion ensemble funded by community partnership and offered with Band
- ✘ Pursuing outside grants to enhance program momentum
 - + Science Olympiad funding through Burroughs-Wellcome

HILBURN DRIVE ACADEMY LEADING STEM INNOVATION

- ✘ STEM Expos - Fall 2011 and Spring 2012
- ✘ National attention – Elementary Math
 - + “Flipping the Classroom”
- ✘ Hosting professional development for other WCPSS teachers on Flipping, Tech Integration, Project-Based Learning and STEM education
- ✘ Expanded partnerships with area universities and businesses

DISTRICT-WIDE CTE OVERVIEW

What does CTE look like in our high schools?

HIGH SCHOOL CTE PROGRAMMING

DISTRICT WIDE

× 163 Different Courses in 14 Career Clusters →

× What is a Career Cluster?

- + Career clusters provide a framework for guiding students towards a concentration in a CTE area of study.
- + Students select & complete 4 courses within a career pathway to complete a cluster.

- × Agriculture, Food and Natural Resources
- × Architecture and Construction
- × Arts, A/V Technology and Communication
- × Business Management & Administration
- × Hospitality & Tourism
- × Finance
- × Human Services
- × Information Technology
- × Law, Public Safety, Corrections & Security
- × Health Science
- × Science, Technology, Engineering & Mathematics
- × Transportation, Distribution & Logistics
- × Marketing
- × Manufacturing

HIGH SCHOOL CTE PROGRAMMING

DISTRICT WIDE

✘ Career Development

- + 4 courses
- + 18 high schools

✘ Business Information Tech Education

- + 27 courses
- + 25 high schools

✘ Marketing Education

- + 12 courses
- + 21 high schools

✘ Agricultural Education

- + 16 courses
- + 10 high schools

✘ Family and Consumer Science Education

- + 25 courses
- + 23 high schools

✘ Health Occupations Education

- + 22 courses
- + 13 high schools

✘ Trade & Industrial Education

- + 35 courses
- + 24 high schools

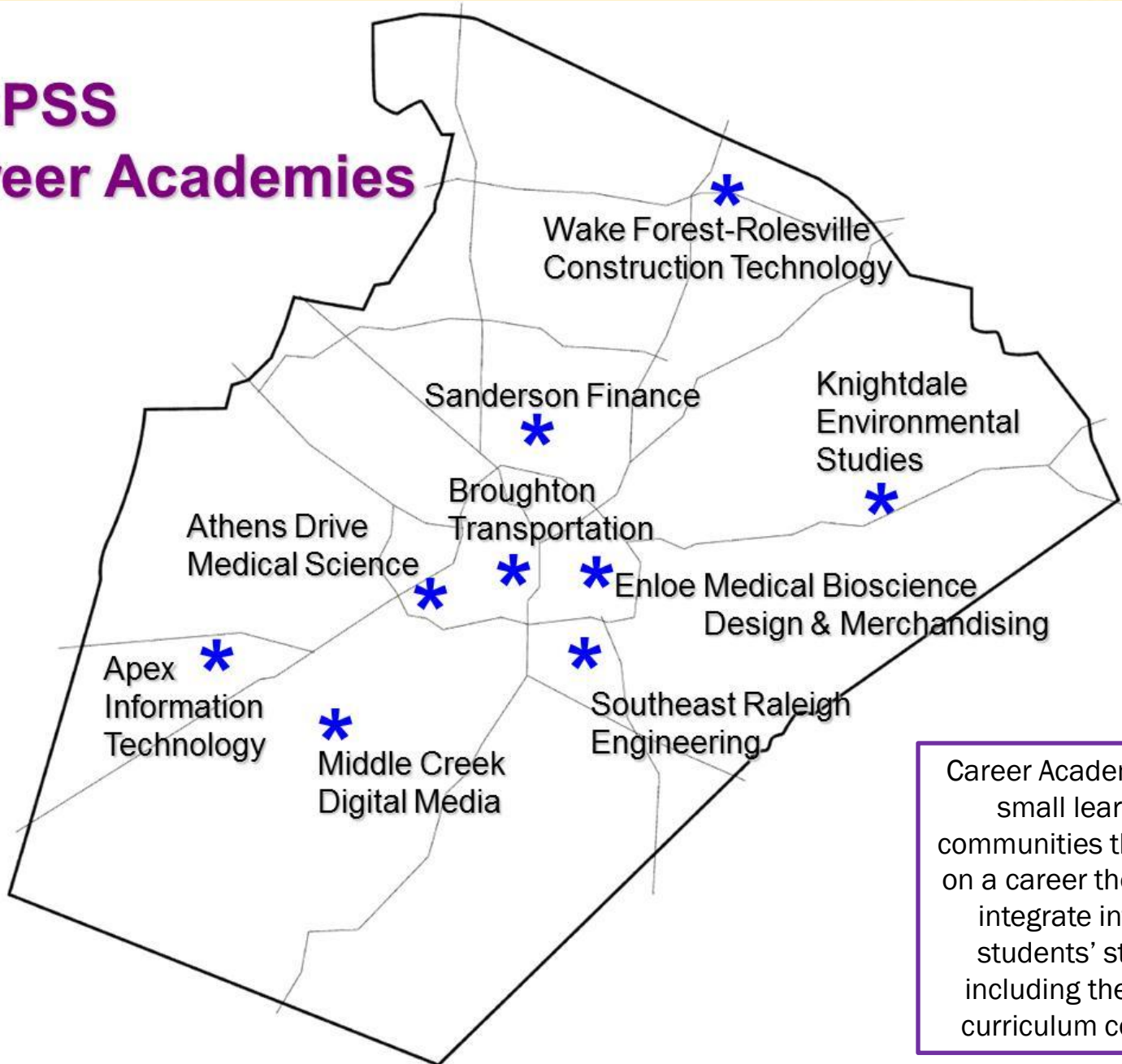
✘ Technology Education

- + 22 courses
- + 20 high schools

CTE ENROLLMENT DATA

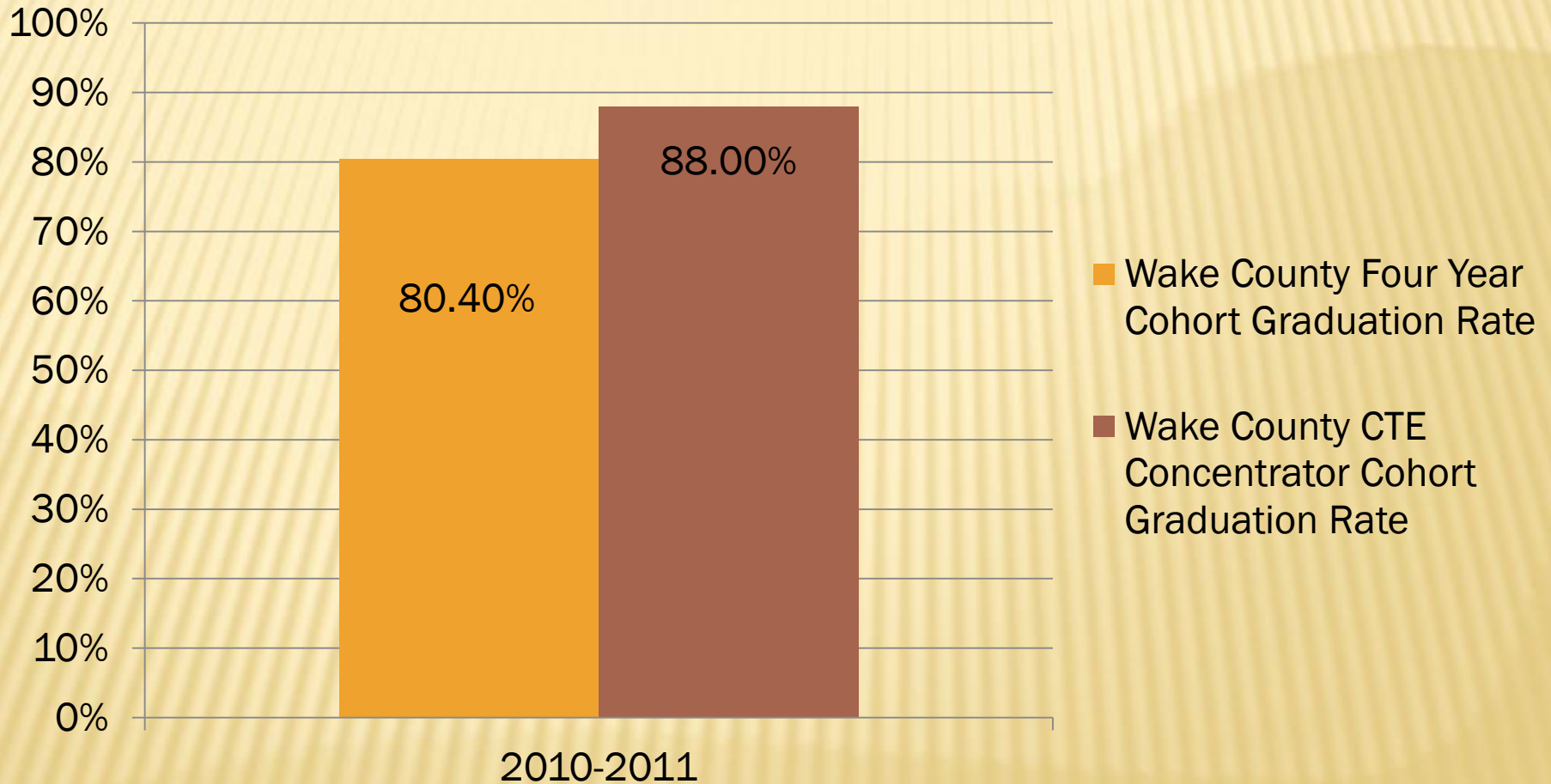
- ✘ All middle and high schools have CTE offerings
- ✘ Over 90% of all middle school students take at least 1 CTE course annually.
- ✘ Over 70% of all high school students take at least 1 CTE course annually.
- ✘ Growth over past 4 years
 - + Middle School – nearly 4000 students
 - + High School – over 4500 students
- ✘ 2011-2012 CTE Enrollment
 - + Middle School – 33,277
 - + High School – 44,053
 - + Total – 77,330

WCPSS Career Academies



Career Academies are small learning communities that focus on a career theme and integrate into the students' studies including their core curriculum courses.

WCPSS CTE GRADUATION RATES



**PROPOSED
CAREER AND TECHNICAL EDUCATION
(CTE) HIGH SCHOOL**

CTE HS: ACADEMIC PURPOSE

- ✘ A high school partnership between the Wake County Public School System (WCPSS) and Wake Tech Community College (WTCC).
 - + Offers students dual enrollment opportunities through *Career and College Promise* in technical programs not currently offered or offered on limited basis.
 - + Programs of study that lead to a credential, certificate or diploma in a technical career.

CAREER & COLLEGE PROMISE REQUIREMENTS

- ✘ The *Career and College Promise* Technical Career Pathway leads to a credential, certificate or diploma.

- ✘ Eligibility
 - + High school juniors and seniors as of January 2012 and later.
 - + Students interested in pursuing one of the high school CTE career clusters.
 - + Students with at least a 3.0 grade point average on a 4.0 weighted scale OR upon principal recommendation.
 - + Students who have demonstrated college readiness by meeting course prerequisites.
 - + Take the PLAN assessment while in 10th grade

- ✘ To maintain eligibility for continued enrollment, a student must
 - + Continue to make progress toward high school graduation, and
 - + Maintain a 2.0 in college coursework after completing two courses.

CTE HS: DEMAND DATA

- ✘ More than 77,000 WCPSS students in grades six through twelve are enrolled in CTE courses.
- ✘ Potentially open 650-700 high school seats for WCPSS and 1000 college seats for Wake Tech Community College (WTCC)
- ✘ On average, WTCC declines 5000 students due to maximized resources per year.
- ✘ Proposed CTE High School would not lessen the importance of a comprehensive district-wide CTE program, but rather enable access to specialized courses while earning college credits.

HOW WERE THE PROPOSED TECHNICAL COURSE OFFERINGS SELECTED?

- ✘ Collaborative meetings between WCPSS & WTCC to review course offerings based on:
 - + availability,
 - + demand, and
 - + future job market.
- ✘ Identified 10 programs of study aligned with:
 - + limited course availability,
 - + high course demand, and
 - + promising future job market.

Technical Courses	Job Opening Percent Change Through 2020*
AC, Heating, Refrigeration	34%
Biopharmaceuticals	12%
Collision Repair	33%
Cosmetology	32%
Electrical/Electronics	26%
Plumbing	23%
Welding	11%
GIS	17%
Simulation Game Development	27%
Nursing Assistant	23%

*Data Source: North Carolina Employment Security Commission

CTE HS: PROPOSED AREAS OF STUDY

✘ Wake Tech instructors deliver all CTE instruction for students in grades 11 and 12 during the standard high school day.

- ✘ WCPSS teachers deliver instruction for:
- + Common core
 - + Arts, Healthful Living, World Languages
 - + CTE courses – grades 9,10 only

Proposed Technical Courses

AC, Heating, Refrigeration

Biopharmaceuticals

Collision Repair

Cosmetology

Electrical/Electronics

GIS

Nursing Assistant

Plumbing

Simulation Game Development

Welding

CTE HS TIMELINE 2011-2012

- ✘ Spring 2011 – Began review of concept, toured Garner Theatre
- ✘ October 2011 – Continued review, toured former Coca-Cola plant
- ✘ November 2011 – WCPSS staff met to begin design discussion
- ✘ December 2011 – Preliminary discussions with Wake Tech
- ✘ January 2012 – Joint meeting with Wake Tech (Dr. Scott and staff with Mr. Tata and staff)
- ✘ February 2012 – Joint meetings with Wake Tech
- ✘ March 2012
 - + Two joint meetings with Wake Tech, Keystone, LS3P
 - + BOE tours
 - + Joint meeting between Board of Education and County Commissioners
- ✘ April 2012
 - + 10th – Bring to BOE for feedback and direction
 - + Board committees (if desired)
 - + 24th – Bring to BOE as action

PRELIMINARY FEEDBACK FROM MEMBERS OF BOARD OF EDUCATION

- ✘ Compare stand alone model to half day
- ✘ In stand alone model, consider grades 10-12 or 11-12 versus 9-12
- ✘ Demonstrate a model accessible to all students

MORNING/AFTERNOON CTE MODEL

× Pros

- × Fewer WCPSS staff allotted for academic course offerings at CTE HS
- × Students may appreciate maintaining link with traditional high school
- × Potentially serve more students district wide

× Cons

- × Increased transportation expenses
- × Doesn't increase high school seat availability for district
- × Potential difficulties with course scheduling at both HS (assigned & CTE)
- × Assigned high school would be responsible for:
 - + Tracking eligibility status
 - + Implementing academic interventions
 - + Reporting academic eligibility to CTE HS
- × Eligibility tracking and implementation would require additional staff at base high school
- × Size of district & comprehensive AM/PM model
- × Lunch service may be a challenge

PROPOSED 9-12 GRADE SPAN

× Pros

- × Students feel connected to high school for four years
- × Allows for purposeful scheduling to prepare all students for dual enrollment by 11th grade
- × Adds 650-700 additional high school seats in district

× Cons

- × Minimal CTE exposure may make CTE HS decision difficult
- × Students have not had exposure to career development activities to assist with post secondary decisions
- × 9th grade highest enrollment for varied CTE courses (13,430)

PROPOSED 10-12 GRADE SPAN

× Pros

- × Students have extra year to determine if CTE HS is good fit
- × 9th grade highest enrollment for varied CTE courses (13,430), which may assist with student decision to pursue CTE HS
- × Allows for purposeful scheduling to prepare all students for dual enrollment in 11th grade
- × Alleviates need for delivery of routine 9th grade graduation requirements at CTE HS
- × Allows more CTE focus in space and faculty
- × Adds 650-700 additional high school seats in grades 10-12

× Cons

- × Students have to transition to new high school
- × Students have more specialized CTE courses, but less CTE course options than at comprehensive high school

PROPOSED 11-12 GRADE SPAN

× Pros

- × Extra two years to determine CTE HS is good fit
- × Students may have most course requirements completed to begin dual enrollment
- × 11th grade is typically an entry year for students to take 2nd level CTE courses
- × Adds 650-700 additional high school seats in grades 11-12

× Cons

- × Lack extra time to course remediate or supplement in preparation for dual enrollment
- × May be difficult to offer varied course needs to meet graduation requirements
- × Transition to new high school after 2 years may be difficult

PROPOSED APPLICATION SCHOOL WITH LOTTERY COMPONENT

✘ Application

- + *Career and College Promise* eligibility requirements
- + Similar to early college applications
 - ✘ Report Cards – previous 2 years
 - ✘ Attendance – previous 2 years
 - ✘ EOG or EOC (depending on grade level)
 - ✘ 50%/50% - First Time College & Open Application
- + Alignment with post secondary interests

QUESTIONS
