South Carolina

Individual Graduation Plan and Successful Implementation

CTAE Administrator/School Counselor Workshop

Georgia Department of Education

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October 26, 2011

SC Legislation
The Education and Economic Development Act of 2005

- At-risk initiatives
- School reform model (*HSTW, MMGW, TCTW*)
- Clusters/Majors
- Annual IGP conferences
- Parental involvement
- Rigor and relevance of coursework
- Extended learning opportunities
- Articulation agreements/dual enrollment
- Seamless K-16 transition
- Regional Education Centers

Clusters of Study

- A/V Technology and Communications
- Agriculture, Food and Natural Resources
- Architecture and Construction
- Business, Management and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Manufacturing
- Marketing, Sales and Service
- Public Safety and Security
- Science, Technology, Engineering and Mathematics
- Transportation, Distribution and Logistics
- Sustainable Energy (Georgia)

Every step along the Pathway is crucial to making each student's future a success

Employment: Career Advancement
Continuing education and lifelong learning

Post-secondary: Career Preparation
Achieving credentials: college, certification, apprenticeships, military

9–12: Career Preparation
Academics and technical courses, intensive guidance, individual graduation plans

8: Transition
Choosing a cluster of study and major (can change easily at any time)

6–8: Career Exploration
Discovering interest areas

K–5: Career Awareness
Introduction to the world of careers

Through Personal Pathways to Success, all students have the resources to identify, explore and attain their career and employment goals

In elementary school…	In middle school…	In high school…
Students will learn about a variety of professions through career awareness activities.	Students will explore careers to identify *clusters of study* relevant to their aspirations and abilities.	Students will experience a variety of professional opportunities through job shadowing, apprenticeships, or internships.
	Beginning in the 8th grade, students will write and annually update an *Individual Graduation Plan (IGP)* with help from guidance specialists and parents or parental designees.	In the 10th grade, students will declare a major based on their chosen cluster of study. Students will plan and prepare for post-secondary study, specialized training or employment with input from parents or parental designees, educators, counselors, and the business community.

Impact on middle/high schools

- Creation of curriculum templates
- Influence on curriculum offerings, teacher demand
- Increased rigor and relevance of coursework
- At-risk programs (2007-08)
- Whole-school reform model (*HSTW*, 2009-10)
- Career specialists (CDF) added to middle and high schools
- Counselor (+ CDF) to student ratio reduced to 300:1
- Administrative responsibilities shifted from counselors
- Improved communications and transitions to complement K-12 developmental guidance and counseling programs

Impact on middle/high schools
(cont'd.)

- Individually scheduled IGP conferences each year—relationships built with students and parents
- Integration of students' personal, career and academic goals
- Increased opportunities for dual enrollment
- Increased opportunities for extended learning opportunities
- Improvement in attendance and discipline
- Improvement in graduation rates

Beginning in the 2006–07 school year, all 8th grade public school began choosing a cluster of study and writing an IGP with input from their school counselor and parents or parental designees.

A Sample Individual Graduation Plan		
Cluster of Study: ***Health Science*** **Major:** ***Health Treatment Specialties***		
Required Core for Graduation		
	9	**10 11 12**
Math–Four Units	**Algebra I**	
English–Four Units	**English I**	
Science–Three Units	**Physical Science**	
Social Studies–Three Units	**One unit of Social Studies**	
Required Courses for Major–Four Units		
Complementary Coursework	**Anatomy & Physiology, AP Biology, AP Calculus, Emergency Medical Services, Sports Medicine**	
Career-oriented Learning Opportunities	**Career Mentoring, Shadowing, Service Learning, Internship, Cooperative Education, Senior Projects**	
Professional Opportunities After Post-secondary Education	**2-Year Degree: Dental Hygienist, Paramedic, Registered Nurse 4-Year Degree or Higher: Athletic Trainer, Pharmacist, Physical Therapist, Medical Doctor**	

Personal Pathways to success™

Empowering all students to shape our future.™

EEDA Information Technology Solution

Common approach for updating and sharing student information

- SC 2-Year Colleges
- Commission on Higher Education
- SC 4-Year Colleges and Universities
- Anticipated electronic statewide course articulation and transfer sytem
- Anticipated electronic system for planning, applying, and paying for college via online financial aid apps.

South Carolina Occupational Information System (SCOIS) — Career Interest Inventory Data

Data is input by counselors and career specialists in 85 SC districts. — Output is student IGP Data

Kuder — Career Interest Inventory Data

Phase II - (Adds the capacity for counselors to manually enter information from additional assessments such as these.)

- ASVAB
- ACT
- WorkKeys®
- Career Factors Inventory (CFI)

Scope of the RFP for the IGP

Personal Pathways Portal

a.) Secure data views will be available for student, counselors, parents, instructors, schools, and districts.

b.) System will have the capacity to generate aggregated student data for legislative accountability.

c.) Warehouse will be owned by SDE.

d.) Course data will be based on SASI.

e.) Student identification based on SUNS

Regional Education Centers Link

A dynamic link utilizing the same process/connection established for students/parents to access the Palmetto Pathways/IGP system may be available from within the REC sites.

Utilizing an anticipated uniform template/ data architecture, each of the 12 Centers will have its own site that will feature links and areas of information aimed at these user populations:
Students
Parents
Adult Ed
Ed Professionals
School Districts
Employers

Within these areas, there will be extensive hyperlinks to relevant resources (schools, government agencies, organizations, chambers of commerce, etc.)

Entities that will be connected to/represented within the state portal/REC sites include:
SC Chamber of Commerce
SC Department of Commerce
SC Employment Security Commission

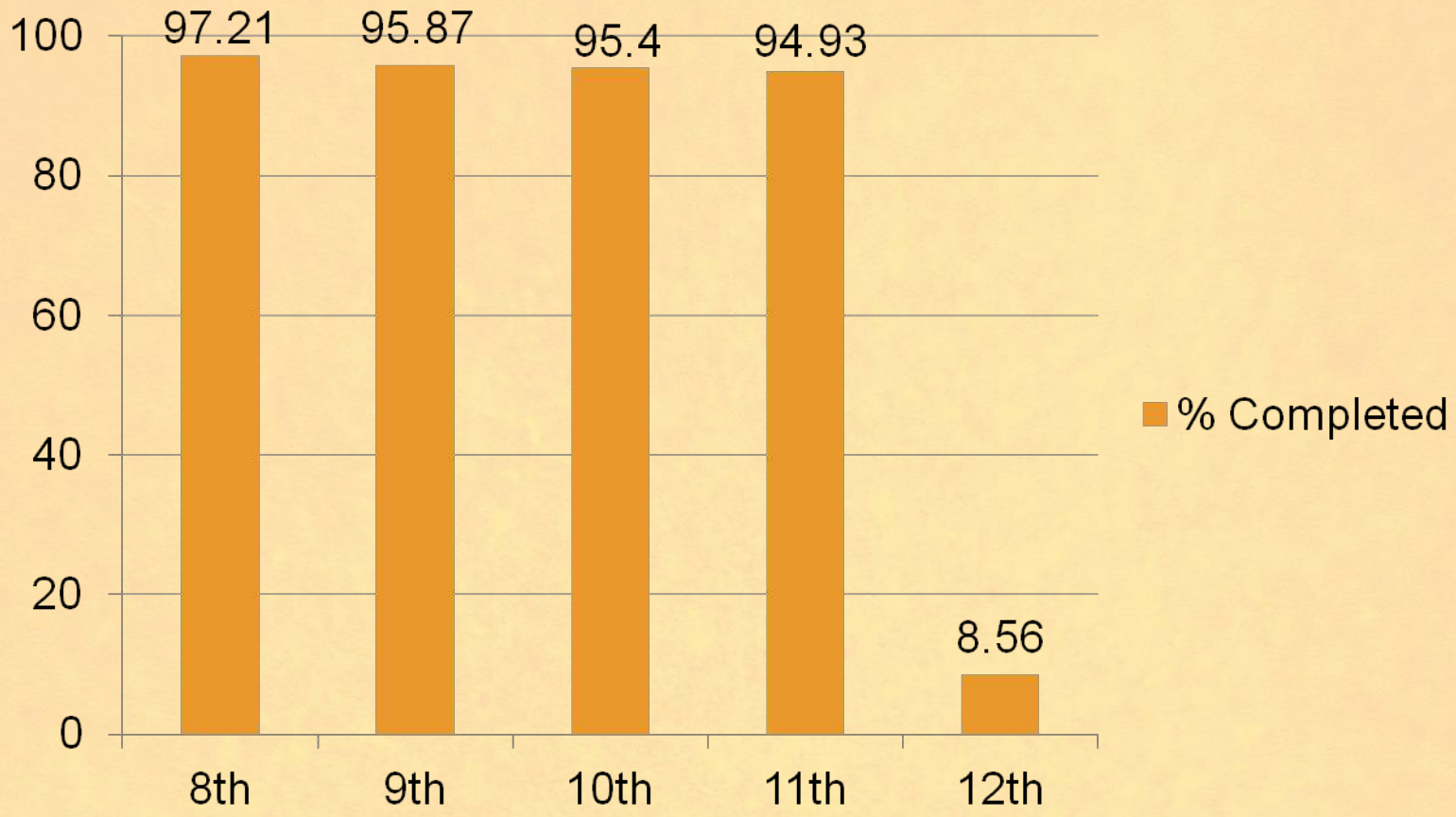
Online access needed for the program resources document being developed by the At-Risk Committee

LDS (Longitudinal Data System)

- Transcript Solution
- State Data Manager

2009–10

Percentage of eIGPs Completed



High School to college...
a seamless transition

Cluster: Business Management and Administration
Major: Business Financial Management and Accounting

High School

9
Algebra 1
English 1
Physical Science
Global Studies
Computer Science
Physical Education
or Jr. ROTC

10
Geometry
English 2
Chemistry
Social Studies Elective
BUSINESS AND PERSONAL FINANCE
Foreign Language

11
Algebra 2
English 3
Science Elective
U. S. History
ACCOUNTING 1
Foreign Language

12
Precalculus
English 4
Science Elective
Economics/Government
ACCOUNTING 2
BUSINESS COMMUNICATION
or **ENTREPRENEURSHIP**

Recommended Electives: Based on an individual student's career goals and college requirements, the recommended electives may include an additional course in the same foreign language, or specific math, science, or language arts courses. **Note:** The core academic courses listed represent the more commonly chosen courses and sequences. Any number of course combinations are possible depending on the offerings of the particular school or district.

Central Carolina Technical College -- Major: Accounting

Fall Semester	Spring Semester	Summer Semester	Fall Semester	Spring Semester
Accounting I	Accounting II	Computerized Accounting	Intermediate Accounting I	Intermediate Accounting II
Payroll Accounting	Individual Tax Procedures	Database	Cost Accounting	Accounting Apps
Intro to Computers	Business Communications	Public Speaking	Macroeconomics	Finance
English Composition	Spreadsheets		Marketing	Business Law
College Algebra	Management		Humanities Elective	Management Decision Making
Mathematics				

Source: Central Carolina Technical College Accounting Program published online
http://www.cctech.edu/current/academics/pos/business/acct/ab_acct.htm

University of South Carolina -- Major: Accounting

Freshman	Sophomore	Junior	Senior
English 101	Economics 221—Microeconomics	Management 371 – Management	5 Accounting Courses
Math 122/141 – Calculus	MGSC 290 or	Marketing 350 – Marketing	Management 478 – Strategic Management
Fine Arts Elective	Computers in Business or Probability and Statistics (Any 2)	Finance 262 – Finance	
2 Natural Science Electives	Mgmt 250/English 463 or Professional Communication or English 282/286 (Any 2)	3 Accounting courses	
Behavioral Science Elective	Accounting 225 – Introduction to Financial Accounting		
Math 111	2 Liberal Arts Electives		
English 102	Economics 222 – Principles of Macroeconomics		
Math 170/142 or Finite Math or Math at next higher level	Accounting 226 – Introduction to Managerial Accounting		
or Philosophy 110 – Logic			
Speech 140 or Public Communication or Speech 230 – Business and Professional Speaking			
History 112 – American History			

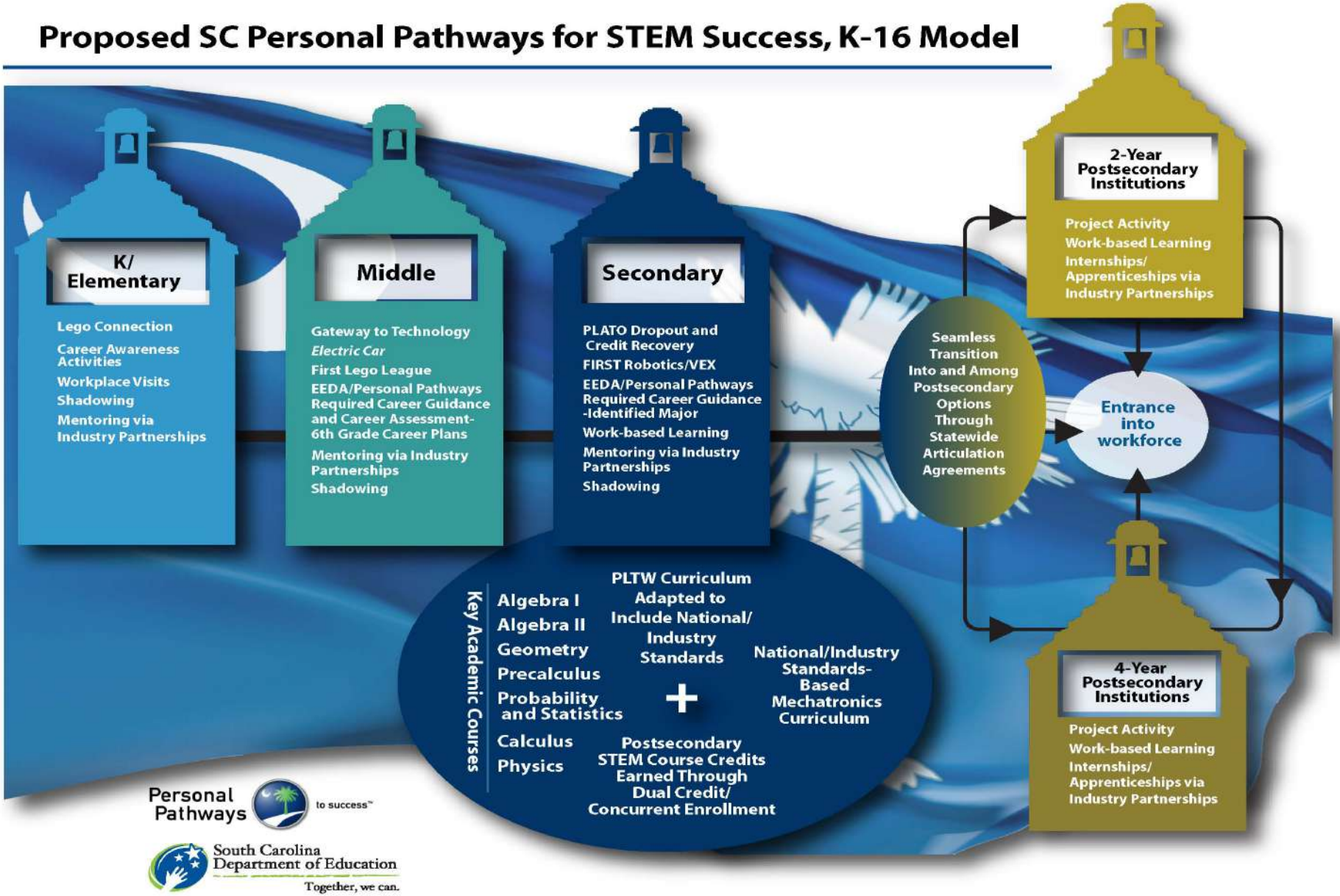
Source: University of South Carolina Undergraduate Business Division Sample Schedule online at
http://mooreschool.sc.edu/moore/undergraduate/prospective/ug-sample.htm

Disclaimer: These grids are samples based on information gathered from the website. Actual courses and sequencing must be done through the college or university.

Impact on colleges

- Better informed, motivated students
- Increased number of students taking dual enrollment courses
- Improved communications with K-12, business and community
- Access to student career assessments
- Seamless K-16 transition
- Recruiting tool
- Improved graduation rates (fewer changes in majors)

Proposed SC Personal Pathways for STEM Success, K-16 Model



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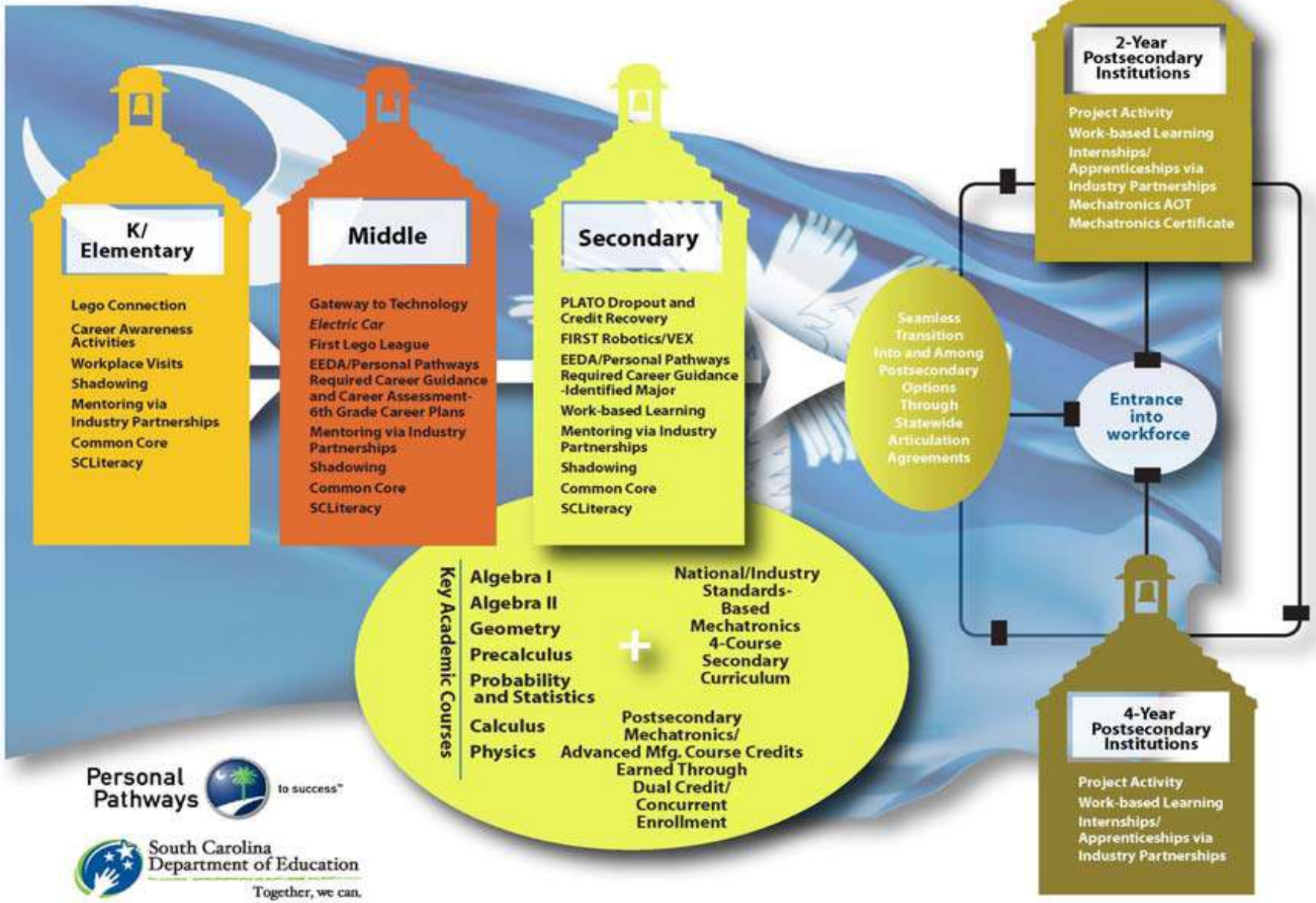
Together, we can.

SC Personal Pathways for STEM Success (P-16)

Mechatronics/Advanced Manufacturing



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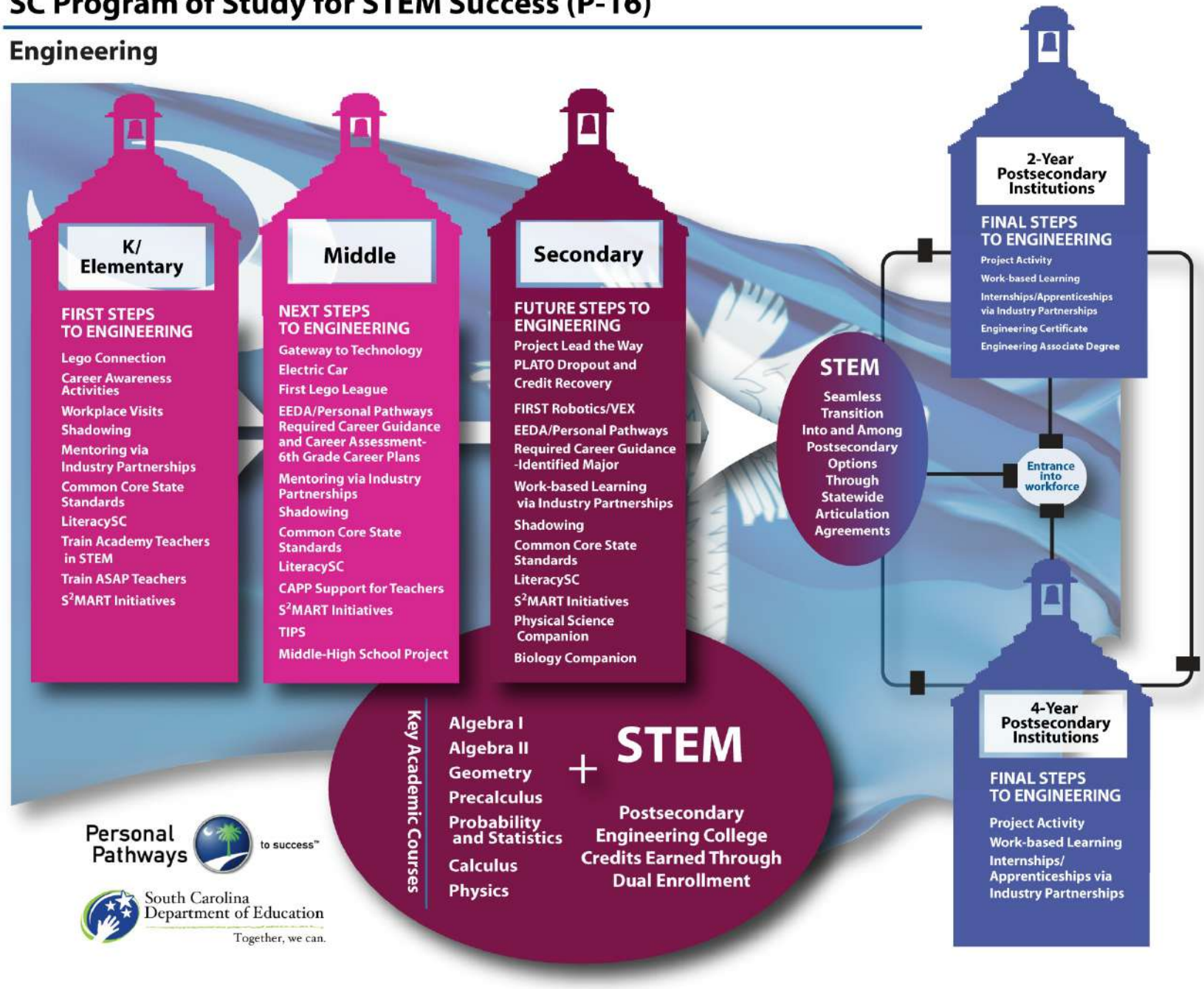
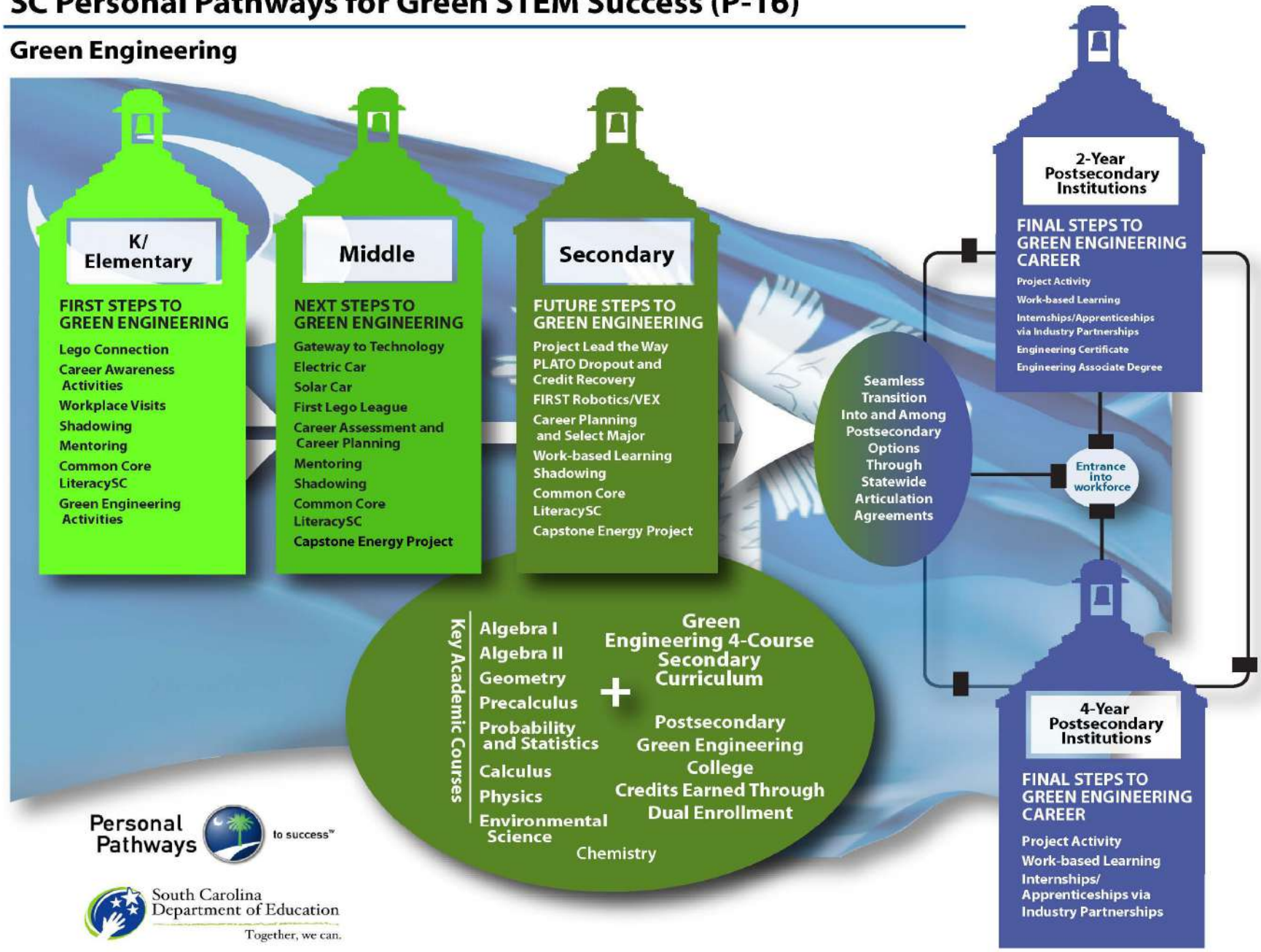
SC Program of Study for STEM Success (P-16)

Engineering



SC Personal Pathways for Green STEM Success (P-16)

Green Engineering



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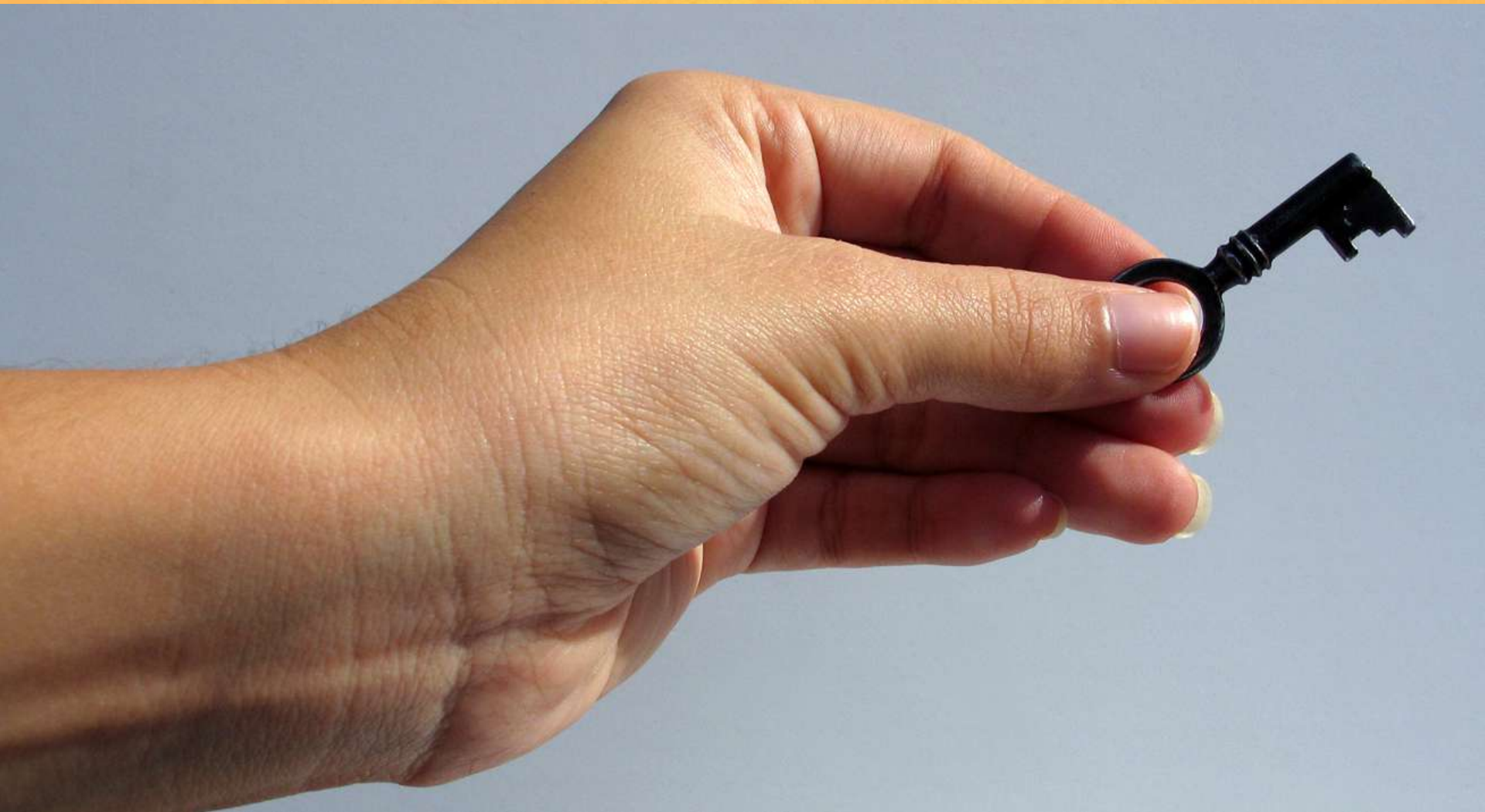
School Counselor Role is Key to Student Success



Counselor Role is Key

- Lead conference (meet with parent and student)
- Interpret assessments, academic record
- Integrate career cluster and academic plan
- Introduce IGP, sign

IGP Conferences

- Individual conference with every student
- Parent/guardian/designee must attend
- Cluster chosen by student
- IGP signed by counselor, student, and parent
- Numbers tallied for report

Career Specialist (CDF) Role

- Assist with conference logistics (invitation, preparation, materials, etc.)
- Maintain accountability information
- All students completed career assessment and exploration?
- Provide general information to parents and students (clusters, assessments, resources, work-based learning)

Questions?

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