

STRATEGIES FOR STUDENT SUCCESS

Hands-on learning

Make relevant

Student interest driven from some to all

Common core – match CTE framework measurable to an assessment

Portfolio – contribute to pass end of course assessments

Course equivalencies

Professional development for intentional alignment

Break down adult barriers – sides to get shared understanding and curriculum

Industry partnership – student internships

Student choice

Problem-based learning goes back to relevance

Competition – teamwork

CTSOs – leadership for all

STUDENT EXPECTATIONS & STANDARDS

Cross credit – and role in meeting end of course exams

Exposure to areas

Plan and a backup plan

Intra-disciplinary programs of study

Applied learning (projects)

Prepare for career skills not just “course” credit

Certificates (stackable) and course credit

Demonstrating proficiency

Meeting standards, not points

Student ownership/leadership

Industry partners/community

Students be able to demonstrate

Career exploration

Accountability

Project management

Identify and using resources

Physical applications “hands-on”

Safety, as an expectation

STUDENT EXPECTATIONS

Critical thinking
Problem solving
Data – reflection of gains (4-3-2-1 assessment)
Meeting deadlines
Peer assessments
Skills assessments/peer mentors
Stress accountability
Performance-based assessments
Industry – engagement for assessment of soft skill and industry skills
Parental involvement
Program integration
Work ethics
Cross credits
Self-directed learning
Teacher as facilitators
Persistence
Achieve industry standards
Certifications
Soft skills
Attendance
Exploratory – preparatory progression
Mastery of industry vocabulary
Workplace mathematics
Mastery of safety exam
Demonstration of teamwork
Demonstration of soft skills
CTE growth - Bring in project management
CTE – math/science - crossovers/connections
Prepare students for global economy
Project-based activities
CTE – math/science facilitate conversations with standards

STUDENT EXPECTATIONS

Be on time
Be prepared
Experience real science and math in CTE
Critical thinking
Positive attitude
Become creators to tech – not just resources
Be innovators in all classes
Problem solvers
Be collaborative – build on own strengths
Find connections across content areas
Justification of work
Read technical literature
Be respectful
Inquiry based
Life-long learners
Make connections between learning and careers
Meet needs of diverse cultures
Be responsible learner
Desire to promote learning
Understand that it is ok to be wrong
Willingness to test and revise
Have fun
Engaged
Self-directed learners
Curious
Accept consequences
Be able to delegate
Understand purpose
Vision for better life

STUDENT ACHIEVEMENT

Project-based learning is a door for improved learning
Project management will be a key to open the door
Lots of application
Engage community
CTE and academic teachers need to talk and work together
Break down silos (STEM); i.e., STEM robotics
Meet industry standards
Soft skills important; i.e., project management
Well-focused instruction; i.e., project management
Classroom management and organization
Student's organization and priority (time management skills)
Differentiated instruction
Project completion
Program alignment (POS) STEM robotics
Implementing/integrating math standards into all CTE classes
Identifying standards we currently use in CTE classes
Problem-based curriculum
Soft skills emphases (leadership, etc.)

STUDENT SUCCESS

How do we continue to reach ALL kids

- Opportunities for all students to be successful
- Industry in society
- Integration of STEM into all subjects
- Exploratory
- Application of knowledge
- Life-long learning
- Marketable skills to take them to different opportunities

PROGRAM SUMMARY

Alternative education

Too inclusive

Kids not at same level

How do we specialize

Small schools

Funding

Time is an obstacle

Good credit requirement

Programs are related (robotics) middle school and high school integrated/connected

SUMMARIZE YOUR PROGRAM

Project management into STEM

Integrate science (CCSS) and CTE

Curriculum apps class (iPod/Droid)

CAD – engineering with electronics, robotics/manufacturing and wood/fabrication

Full staff understanding

- Project-based
- Problem-based
- STEM

Removing barriers with curriculum/professional development (whole staff) PLCs

Incorporate project management for CTE across program areas

Whole year mapping of curriculum

Deeper further professional development

- Tech/comp access with ipod, etc.
- Integrate it ALL
- STEM - remember expand more than engineering with science and math
- CCSS as a vehicle to integrate

Expand knowledge

- Use of advising committees
- Industry connect
- Whole school platform
- Community

Greater connection and use of ESDs

Model that includes all building staff

- STEM
- Remove barrier
- Move forward

Value-based goal/outcomes

Visual communication

Construction Tech

Science and math

STEM club

Ilwaco Industries

Sustainable Ag (currently Natural Resources)

Hospitality/tourism (DECA)

Inclusion and expansion of the role of CTSOs

Patterning industry

Total chaos

Middle school exploratory programs

Hands-on learning

Materials in the real world

Work-related skills

Collaborative

Struggling with Money

Agile curriculum integrate with regular education

- Isolated groups CTE - Academics

How to do more with less

Inquiry-based approach to change

Problem-based

Learning across school

Integrate basic-ed with CTE

Industry driven

Entrepreneurship

Brain Storming Thoughts