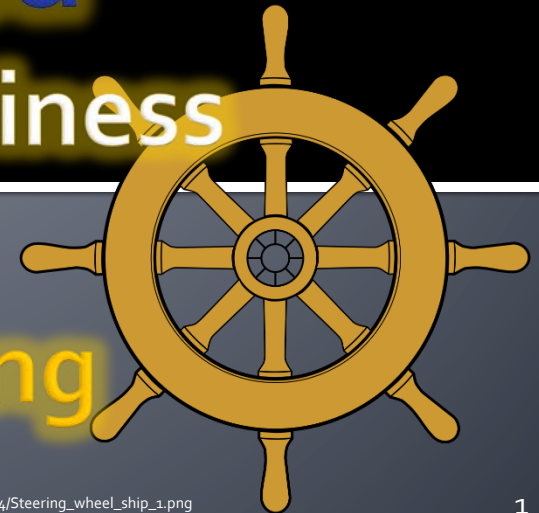




Mauricio Gonzalez  
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# Marine Themed College & Career Readiness through Work-Based Learning

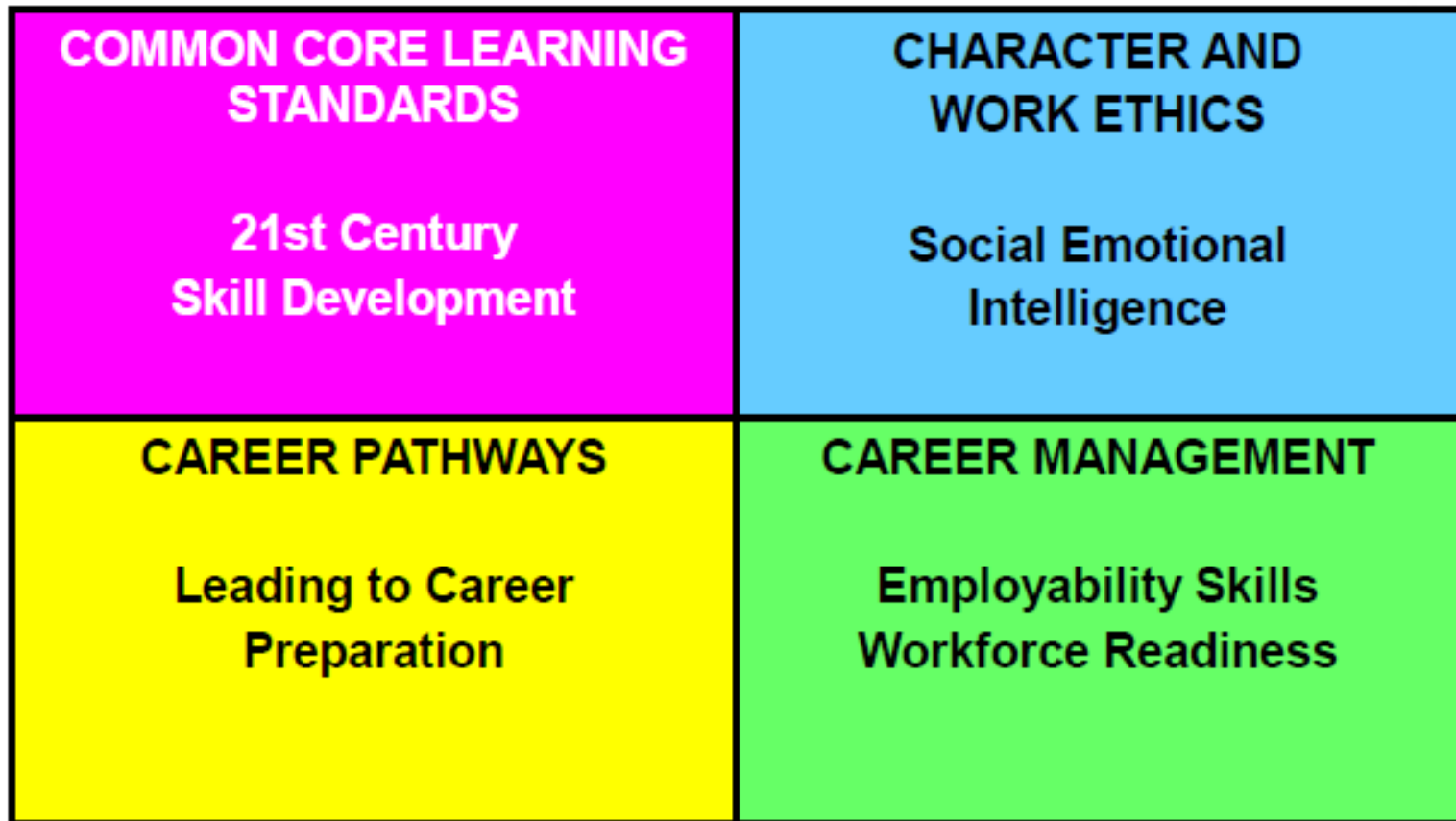


# College & Career Readiness

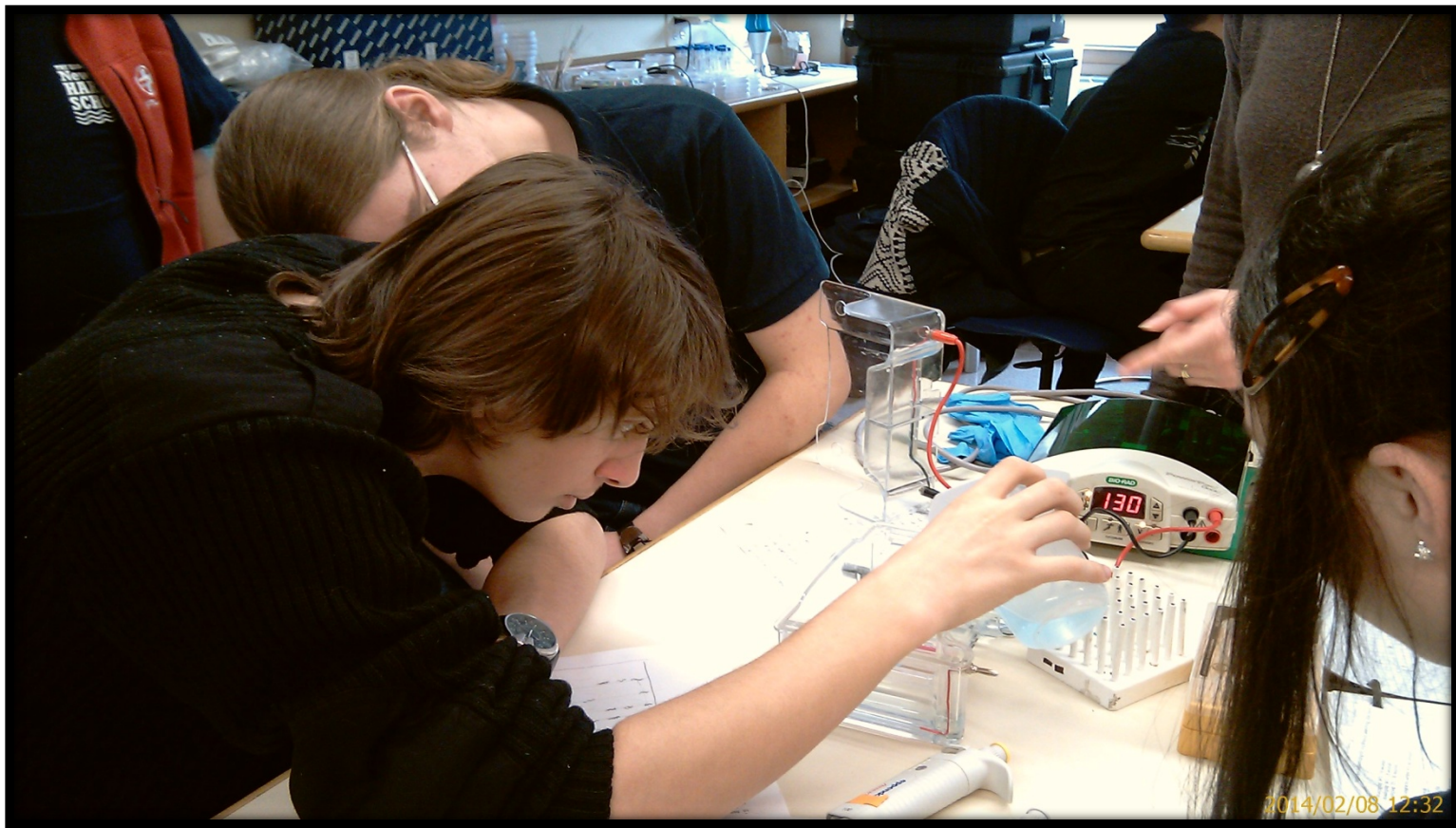


The qualities and achievements  
students need to *complete*  
in order to be ready to  
**ENROLL, PERSIST, and SUCCEED**  
in college & postsecondary training  
opportunities to gain entry into  
**meaningful careers**

# College & Career Readiness



# College & Career Readiness





# Why Work-Based Learning?

- Every child should:
  - Explore career interests
  - Develop a career plan
  - Figure out their strengths
  - Build real-world skills
  - Apply what they learn
  - Build a professional resume



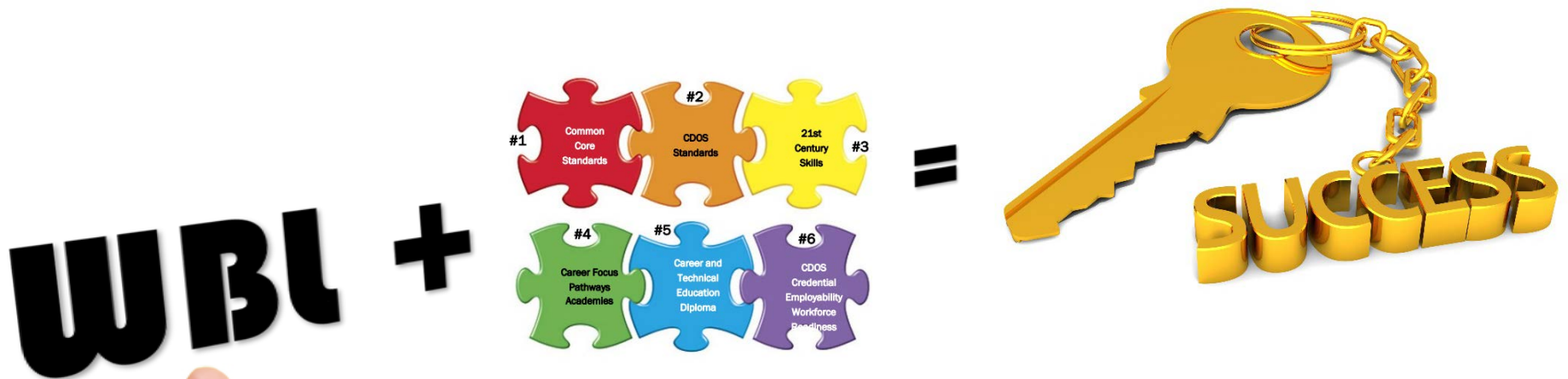
[http://www.hasd.org/faculty/StephanieHalverson/text71601\\_2.jpg](http://www.hasd.org/faculty/StephanieHalverson/text71601_2.jpg)

## BEFORE WE SEE THEM OFF FROM HS...

# 6 Educational Initiatives (6EI)



# WBL + 6EI = ?





# 6 Educational Initiatives





# WBL & Common Core (1EI)

## *6 Shifts* in ELA/Literacy

Balancing Informational and Literary Text  
Building Knowledge in the Disciplines  
Staircase of Complexity  
Text-based Answers  
Writing from Sources  
Academic Vocabulary

## *6 Shifts* in Mathematics

Focus  
Coherence  
Fluency  
Deep Understanding  
Applications  
Dual Intensity

# WBL & CDOS (2EI)

- 4 Career Development Occupational Studies Standards (CDOS)
  - 1. Career Development
  - 2. Integrated Learning
  - 3. Universal Foundation Skills
  - 4. Career Majors

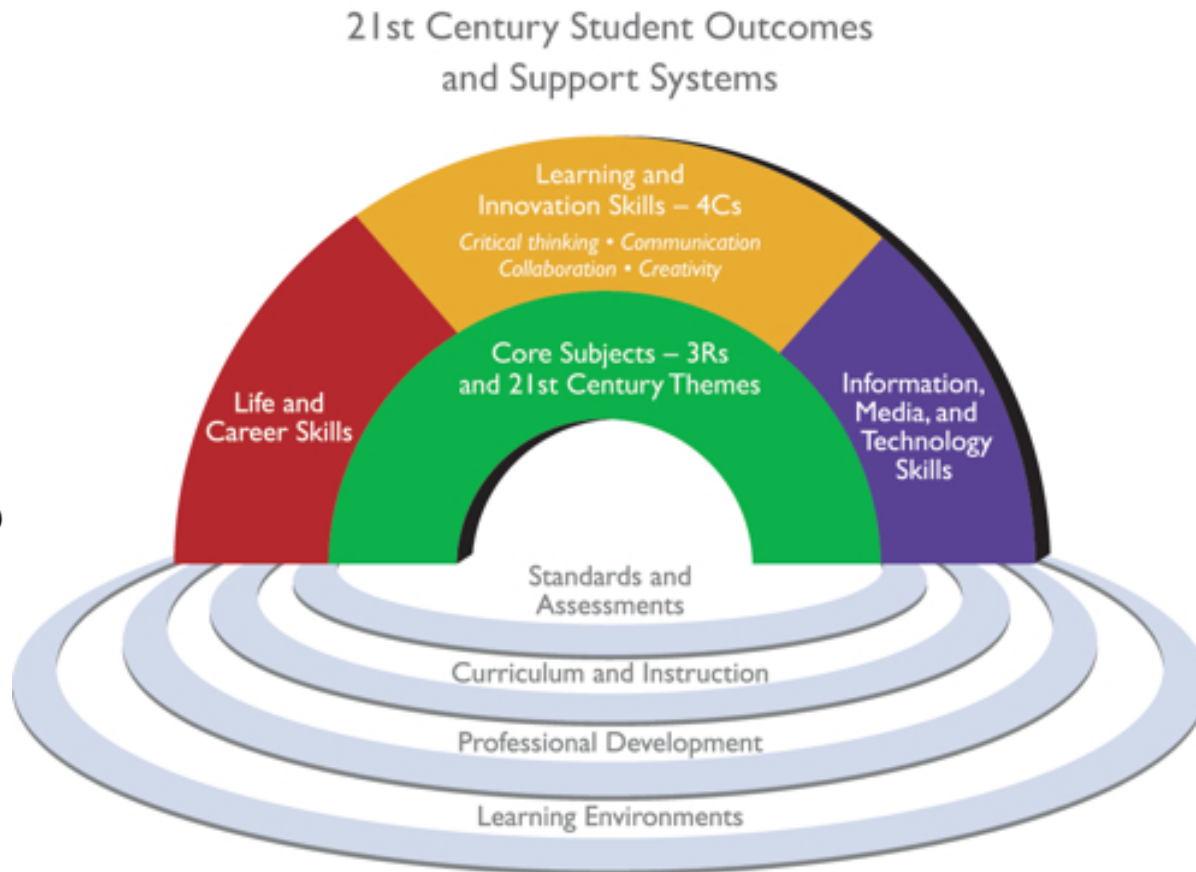


# Welcome to EngageNY!





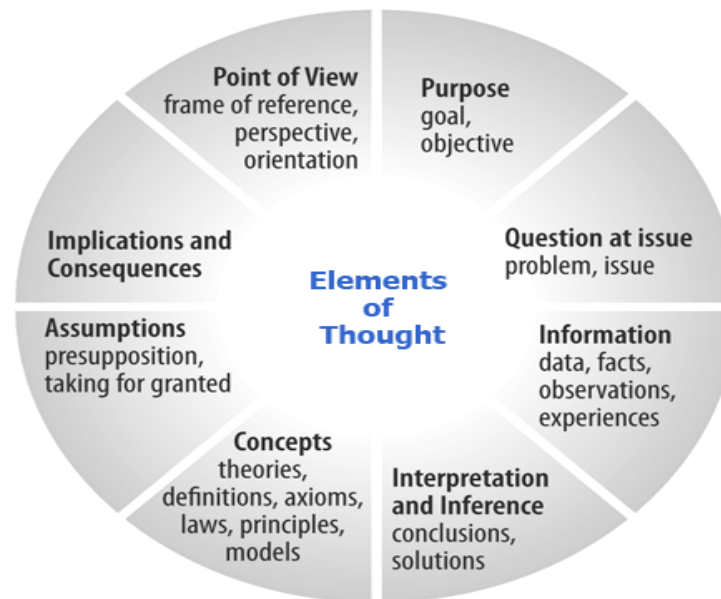
# WBL & 21<sup>st</sup> Century Skills (3EI)



<http://www.p21.org/about-us/p21-framework>

# WBL & 21<sup>st</sup> Century Skills (3EI)

1. Global Awareness
2. Critical Thinking & Problem Solving



# WBL & 21<sup>st</sup> Century Skills (3EI)

- 3. Communication & Collaboration
- 4. ICT Literacy





- 

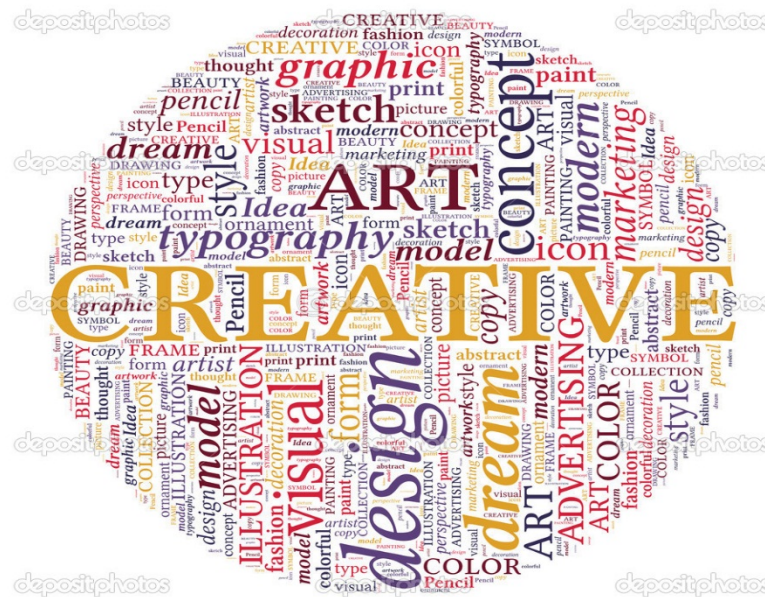


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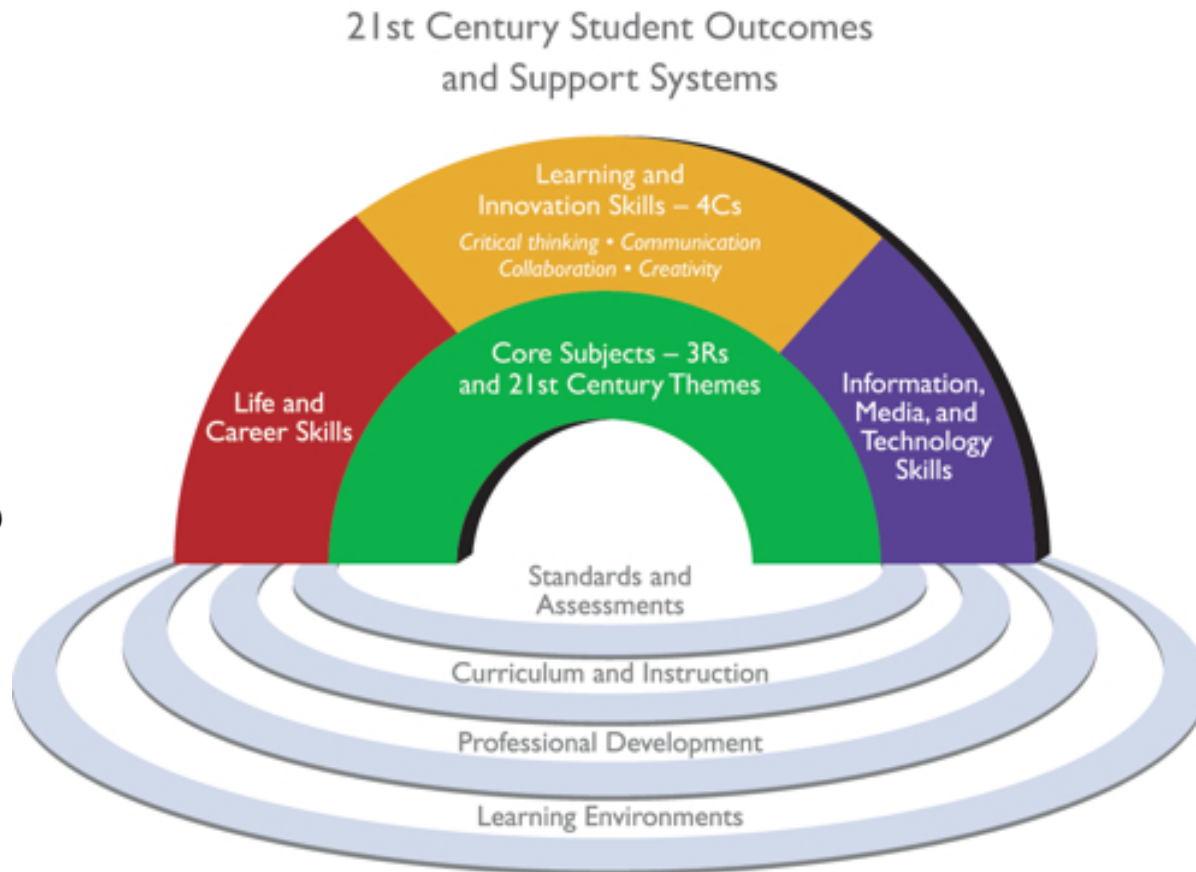
# WBL & 21<sup>st</sup> Century Skills (3EI)

## 10. Creativity & Innovation



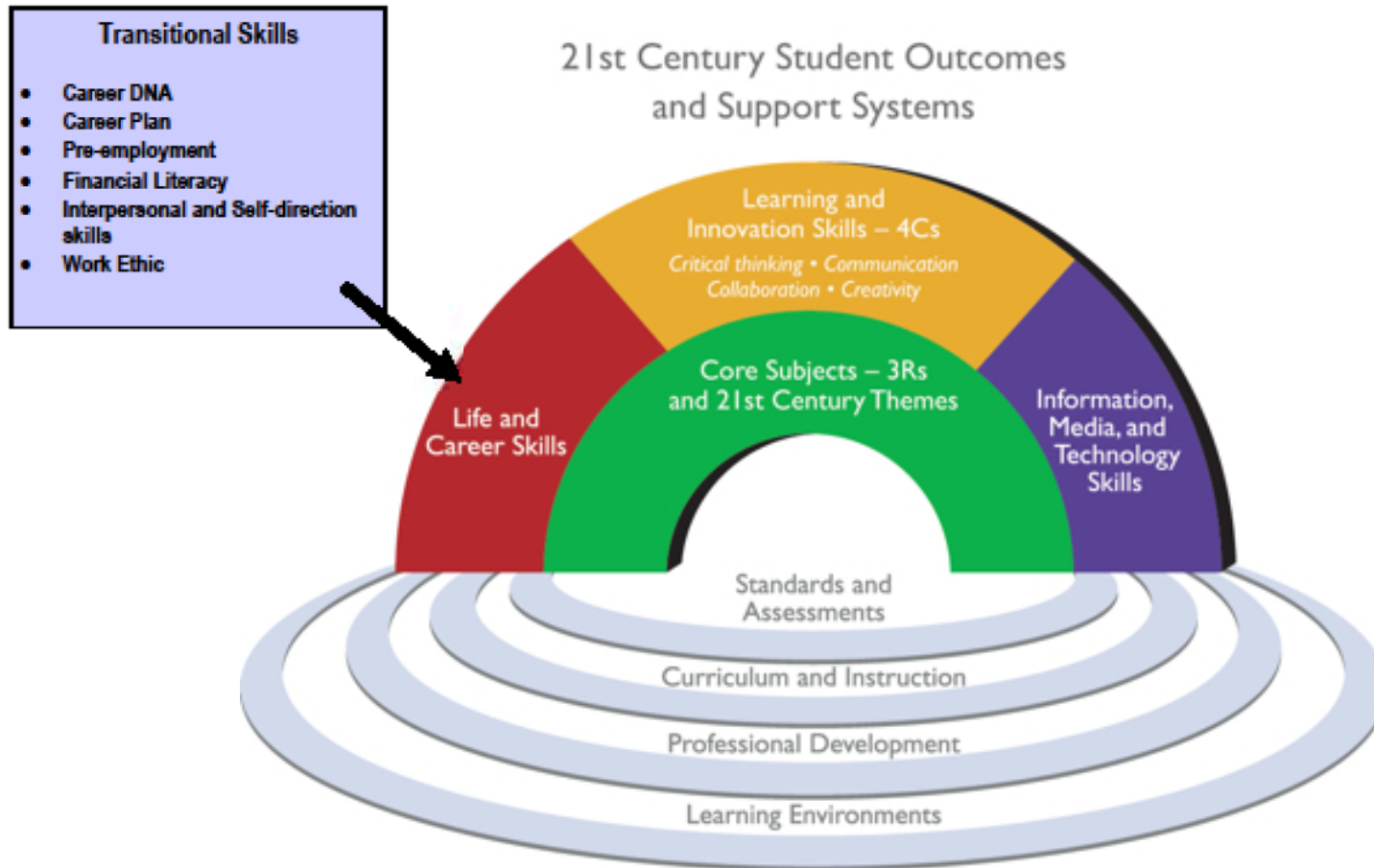


# WBL & 21<sup>st</sup> Century Skills (3EI)



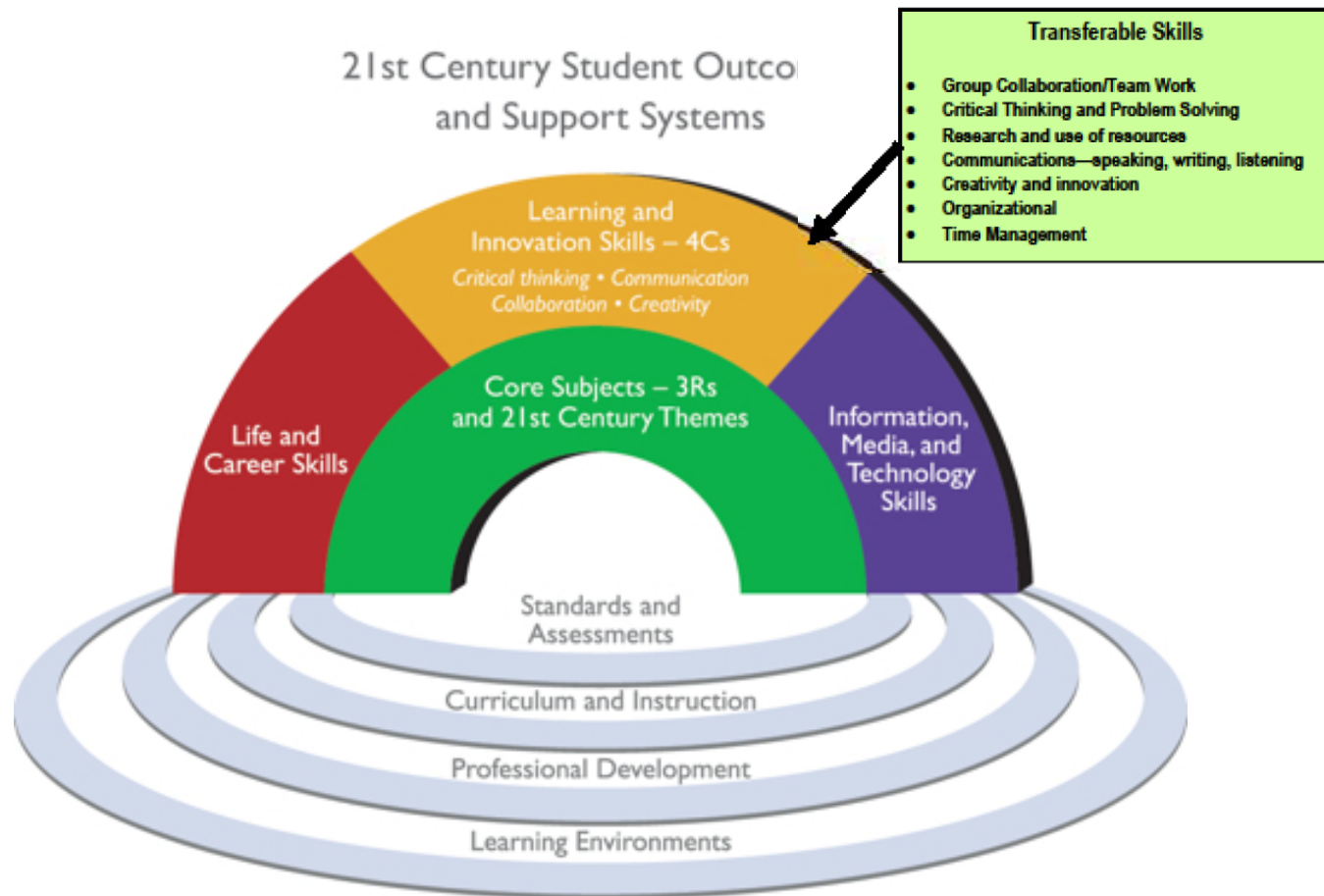
<http://www.p21.org/about-us/p21-framework>

# 21<sup>st</sup> Century *Transitional Skills*



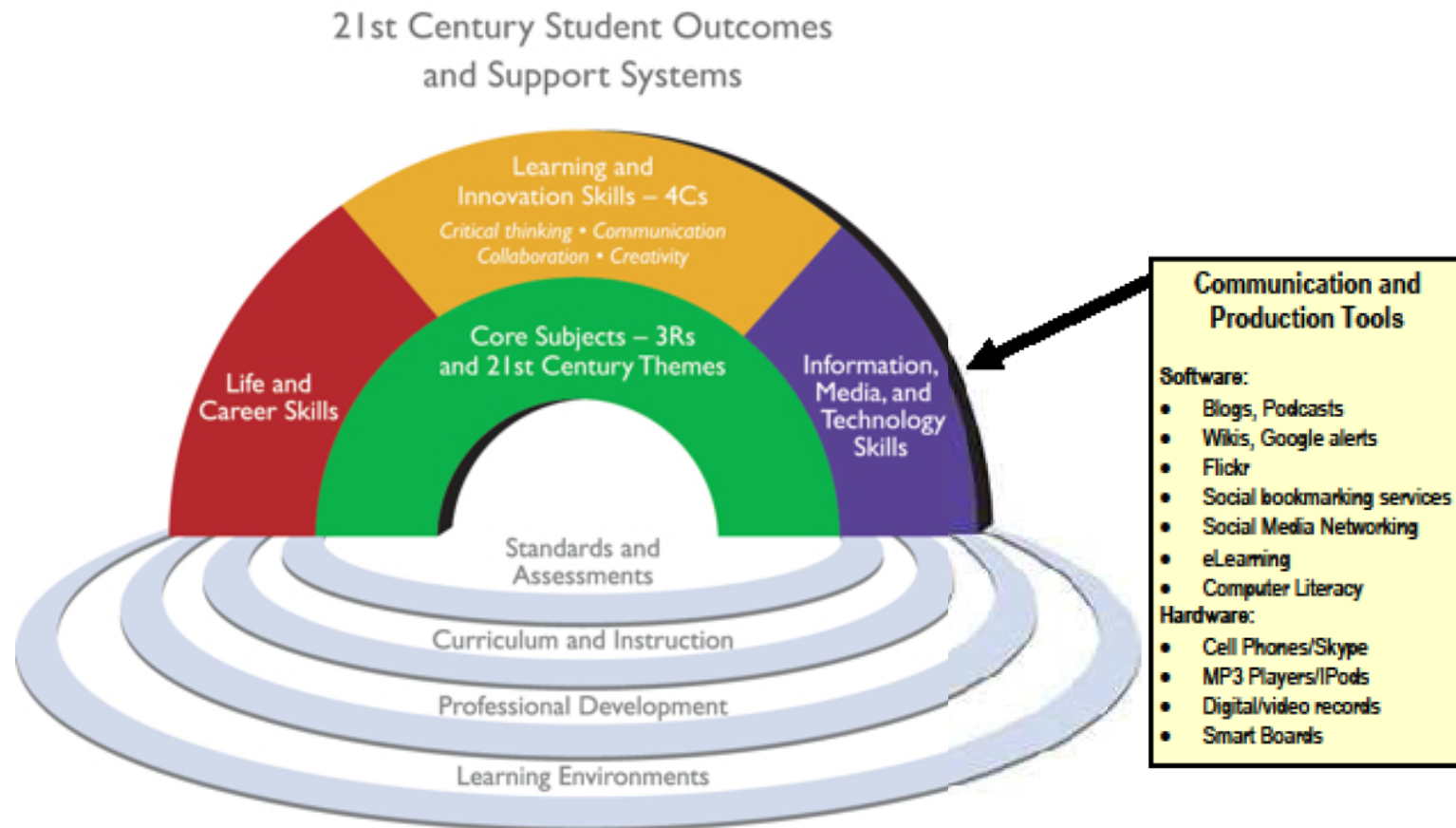
<http://www.p21.org/about-us/p21-framework>

# 21<sup>st</sup> Century *Transferrable* Skills



<http://www.p21.org/about-us/p21-framework>

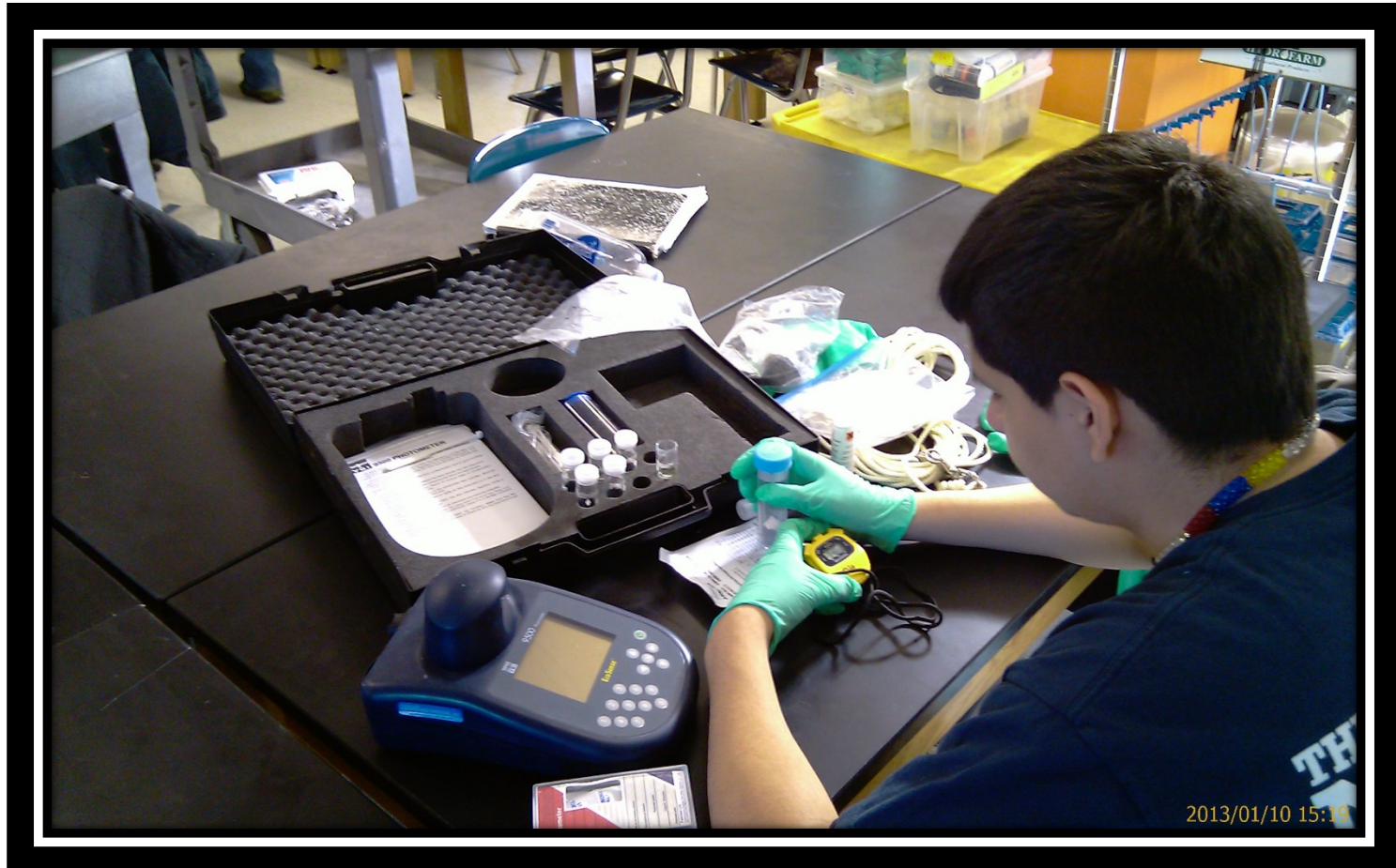
# 21<sup>st</sup> Century *ICT* Skills



<http://www.p21.org/about-us/p21-framework>



# WBL & 21<sup>st</sup> Century Skills (3EI)



# The Key to Success? Grit



# WBL & Career Focused Education (4EI)


- Internships
- Job shadowing
- Career fairs
- Professional mentors
- Professional guest speakers



# WBL & Career Focused Education (4EI)



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**HARBOR**  
**SCHOOL**





# WBL & Career Focused Education (4EI)



Mentors from Around the World

# 16 Career Clusters



<http://www.texascaresonline.com/images/clustergrid.gif>



# Career & Technical Education (CTE)?

*CTE: Marine Biology Research  
Program*

Welcome to the **MBRP!**



# WBL & CTE (5EI)

- Acquire Industry Skills
- Acquire Academic Skills
- Create a Career Plan
- Get Direct Career Experience





# WBL & CTE (5EI)



ogle Bb Buffalo State



[ABOUT](#) [ACADEMICS](#) [ADMISSIONS](#) [STUDENT LIFE](#) [CREW](#) [GET INVOLVED](#) [CALENDAR](#)

## CAREER AND TECHNICAL EDUCATION COURSEWORK

As sophomores, students enroll in one of six career and technical education (CTE) programs of study, which leads to industry certification in marine science or technology and includes a continuum of work-based learning experiences that extend student learning from the school classroom into a real-world, work-related context.

[Aquaculture](#)

[Marine Biology Research](#)

[Marine Systems Technology](#)

[Ocean Engineering](#)

[Scientific Diving](#)

[Vessel Operations](#)

[Harbor Class](#)

■ [www.newyorkharborschool.org](http://www.newyorkharborschool.org)

# WBL & CDOS Credential (6EI)

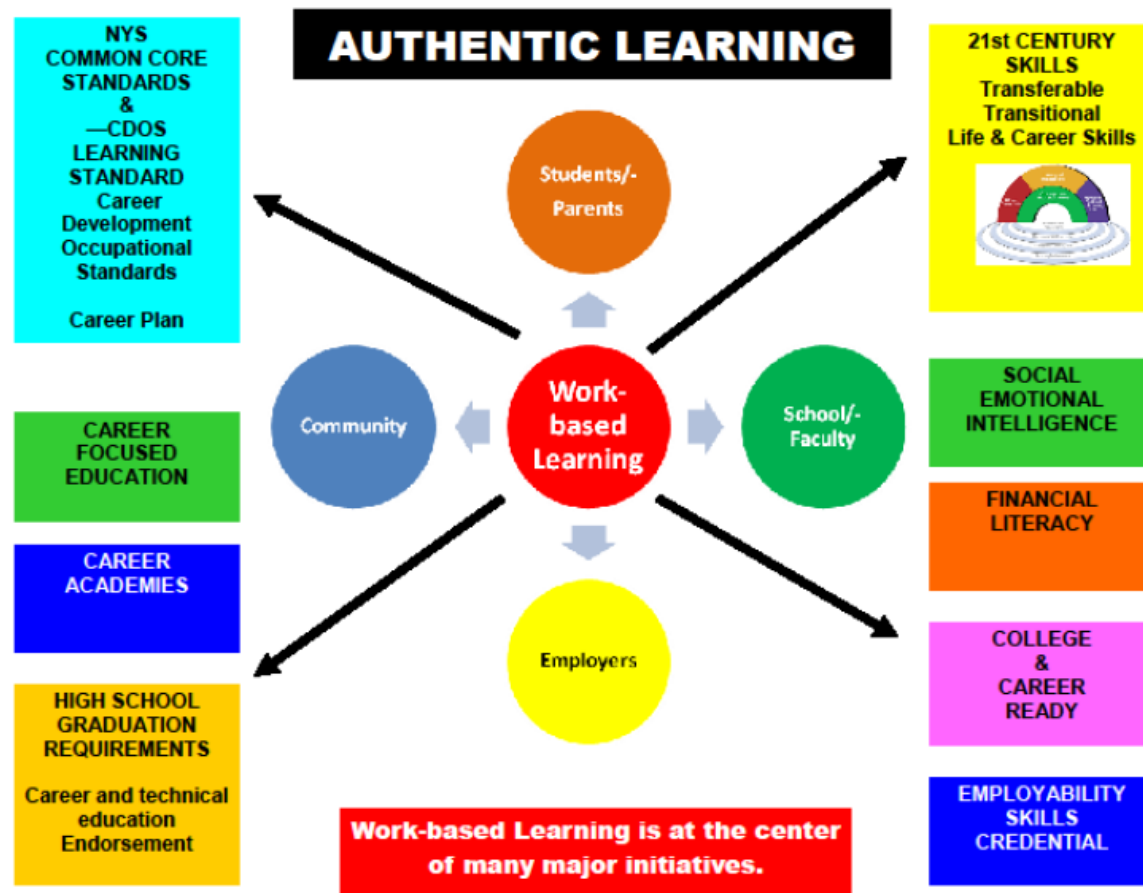
- Work Force Readiness
- Career Credential
- Specific Job Skills
- Transferrable Skills
- Supervised Work



# WBL & CDOS Credential (6EI)



# WBL in the middle!





# ***WBL in the middle!***

## **WBL Students need to:**

- **Master the core subjects and themes**
- **Possess the transitional skills which will allow the movement from 5—15 jobs in a lifetime.**
- **Demonstrate the transferable skills at each job site**
- **Demonstrate the ability to use the communication and production tools on the job site.**



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**New York  
HARBOR  
SCHOOL**



# Bibliography

- Gubing, S. Work-Based Learning Programs Big Picture Playbook
- The University of the State of New York. Career Development and Occupation Studies. Accessed February 16, 2014. <http://www.p12.nysed.gov/ciai/cores.html#CDOS>