A REVISED LESSON PLAN FOR STUDENT SUCCESS

Lisa Raney, Regional Education Leader
John Poelker, AIA, Associate Principal
Grades + College = Success
Reading
Writing
‘Rithmetic?
Percentage of students in grades 5-12 that are disengaged

GALLUP 2015 US STUDENT POLL

<table>
<thead>
<tr>
<th>Grade</th>
<th>Engagement Rate</th>
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<tbody>
<tr>
<td>Overall</td>
<td>50%</td>
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<tr>
<td>5th</td>
<td>75%</td>
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<tr>
<td>6th</td>
<td>67%</td>
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<tr>
<td>7th</td>
<td>55%</td>
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<tr>
<td>8th</td>
<td>45%</td>
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<tr>
<td>9th</td>
<td>41%</td>
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<tr>
<td>10th</td>
<td>33%</td>
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<tr>
<td>11th</td>
<td>32%</td>
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<tr>
<td>12th</td>
<td>34%</td>
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</table>
Students are not uniform raw materials; they are human beings with diverse backgrounds, skills, hopes and dreams.
36% of professionals feel that colleges and universities are preparing students for the outside world.

Association of American Colleges & Universities
Employers... say that graduates lack the high value skills needed in their organizations.

A TSUNAMI OF LEARNERS CALLED GENERATION Z
1 in 3

Teens feel overwhelmed, depressed or sad as a result of stress

AMERICAN PSYCHOLOGICAL ASSOCIATION SURVEY
STUDENT SUCCESS
Predictors

Wellbeing Dimensions

Emotional
Behavioral
Social
Mindset and engagement account for more than 50% of a student’s likelihood to graduate.

MCKINSEY & COMPANY AND TEXAS A&M UNIVERSITY
Tensions
Steelcase + Student Success
Learner Wellbeing
STEECASE STUDENT SUCCESS

Domains

Learner Knowledge

Student-owned + lifelong

Conceptual understanding

Engaged learning
Zone-oriented Active Learning Classroom
Tiered Verb Classroom
STEELCASE STUDENT SUCCESS

Domains

Learner Development

Growth of a student’s character, psychological and emotional wellbeing

Personal wellbeing
Social Commons
Mentoring Space
STEELCASE STUDENT SUCCESS

Domains

Learner Skills

Acquired through deliberate effort to adaptively carry out complex activities

3Rs + 4Cs

New skill requirements always evolving
Collaborative Spaces
SKILLS THOUGHT STARTERS

Maker Space Classroom
Bolstering student success is a multi-faceted undertaking

Space can help

Incorporate design principles that support students’ knowledge, skills and personal development needs
QUESTION #1
Which leading technology company is this?
IBM
QUESTION #2

Most millennials indicate this as most important in their lives.
RELATIONSHIPS
QUESTION #3
What triggers the attention of the bull in a bullfight?
The movement of the cape. (Bulls are color blind)
Assumptions are the barriers to innovation.

Thomas Edison had a very simple way of conducting job interviews. He’d invite prospective employees to join him for soup in the company cafeteria. If they salted their soup before tasting it, the interview was over.
noun: context; plural noun: contexts

the circumstances that form the setting for an event, and the terms by which it can be fully understood and assessed.
SHIFT IN CONTEXT.

The first video was uploaded to YouTube in 2005.

The term “Drone” meant a military weapon system.

6.5 billion humans on earth, 1.1 billion are online.
SHIFT IN CONTEXT.

Today

1.3 billion YouTube users

Drones are common children toys and cost $400-1000

7.4 billion humans on earth, 3.7 billion are online
SHIFT IN CONTEXT.

• 3 million iPods sold in 3 years. (2001-2004)

• 3 million iPhones sold in 9 months. (2007-2008)

• 3 million iPads sold in 3 months. (2010)

• 3 million Apple Watches sold in 7 weeks. (2015-2017)
KnowledgeWorks Forecast 4.0

The Future of Learning:
Redefining Readiness from the Inside Out

Katherine Prince • Andrea Saveri • Jason Swanson

www.knowledgeworks.org
A HISTORICAL VIEW: FOUR INDUSTRIAL REVOLUTIONS

Technology’s changing the means of production, and thus changing the ways we work, is not a new phenomenon. Looking back at the 19th and much of the 19th centuries, the First Industrial Revolution took place, causing predominantly rural and agrarian societies to become increasingly urban and industrialized due to the technological advances such as the steam engine and the emergence of textile and iron industries.  

The period between 1870 and 1914 brought on the Second Industrial Revolution due to such technological advances as the telephone, the light bulb, the internal combustion engine and due to the application of electricity to create mass production. During this period, many pre-existing industries experienced growth, and new industries, such as steel, electricity, and oil, emerged.

The 1980s introduced the Third Industrial Revolution, also known as the Digital Revolution. During this period, technology advanced from mechanical and analog electronic devices to digital ones. Developments during this period included many communications and information technologies, among them the personal computer, the Internet, cell phones, and smart phones. Again, these technologies affected many established industries, causing significant disintermediation, and enabled the creation of new ones such as the computer industry (both hardware and software development), web development, and mobile communications.

The Fourth Industrial Revolution, which is unfolding around us and which we call the era of partners in code, builds upon the technological advancements that emerged during the third Industrial Revolution to represent new ways in which emerging technologies might become embedded in our organizations, societies, and bodies. This industrial revolution is characterized by technological advancements in robotics, artificial intelligence, nano- and biotechnologies, the Internet of Things, 3D printing, and autonomous vehicles. These technologies will be increasingly wearable, embedded in the world around us, connected to other devices, and smart.
A New Foundation for Readiness
The Innovation Generation

- Read: 10%
- Hear: 20%
- See: 30%
- Read, Hear, See: 50%
- Read, Hear, See, Experience: 70%
- Read, Hear, See, Experience, Teach: 90%
STRAATEGIES TO SUPPORT STUDENT ENGAGEMENT AND SUCCESS:

Safety
Flexibility
Voice and Choice
Collaboration
Consumer to Creator
PROVIDING A SAFE AND SECURE CAMPUS

“The goal should not be turning a school into a fortress; it should be improving the level of trust between students and teachers. If metal detectors, cameras and steel gates begin to take over a school, student attitudes will degenerate, and a culture of violence will be perpetuated.”

- Don Hensley, AIA
Traditional Group Discussion
Seminars Project Teams

FLEXIBILITY
FLEXIBILITY
FLEXIBILITY
VOICE AND CHOICE
VOICE AND CHOICE
VOICE AND CHOICE
COLLABORATION
COLLABORATION