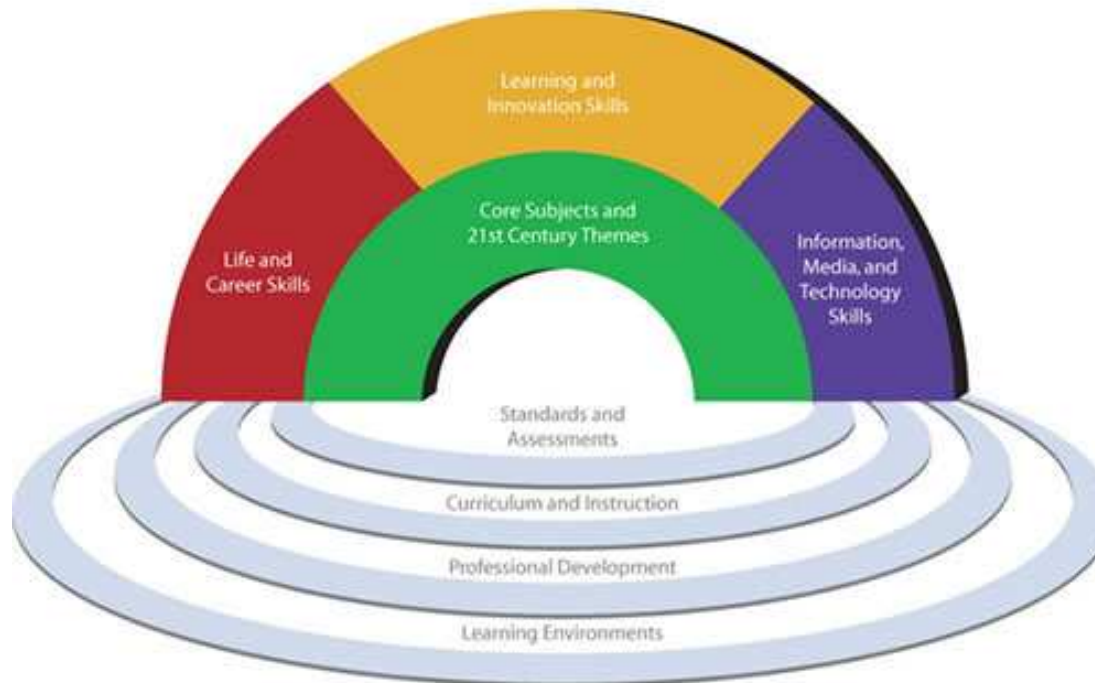


# 21st Century Skills

## Classroom 2.0



Susan H. Gubing, CareerSmarts.com

**Engage.....Empower.....Excite**

# 20<sup>th</sup> Century Classroom





## 21st Century Classroom 2.0

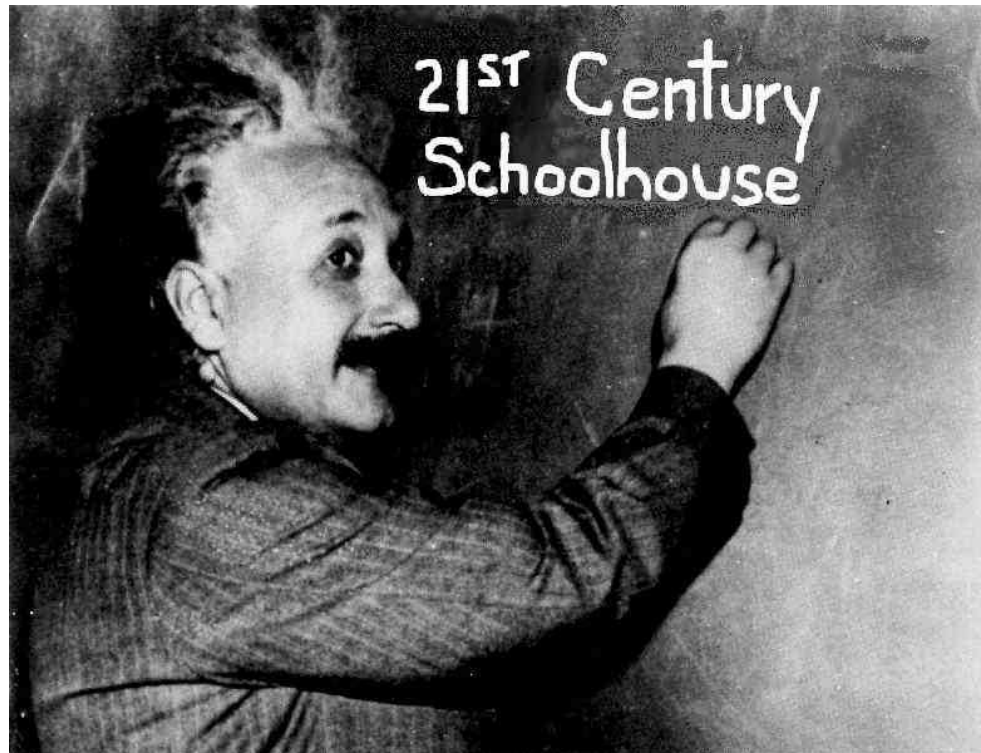
## 21st Century Educator



# 21st Century Skills



## Education Today and Tomorrow



**Our students are changing....but our schools are not.**

# 21st Century Skills



## AGENDA:



- ✓ Conduct seminar as a 21st Century Classroom
- ✓ Examine 21st Century Skills
  - Content vs. Context
  - Skills
  - Tools
  - Assessments
- ✓ Application of new knowledge.

**Engage.....Empower.....Excite**

# 21st Century Skills



- ✓ **Teach oneself new knowledge and skills**
- ✓ **Group collaboration**

**Successfully operate individually.....  
and in a group**

**Move the student from the classroom  
to a real world simulation!**

**Engage.....Empower.....Excite**





# 21st Century Skills



**Simulation**

**Consultants**

**Team 21**

**Service**  
**Educate surrounding**  
**school districts about**  
**21st Century skills.**

**Engage.....Empower.....Excite**



# 21st Century Skills



## Assess Your Talents



- **Builder**
- **Researcher**
- **Creator**
- **Coach**
- **Decision-Maker**
- **Coordinator**

**Engage.....Empower.....Excite**

# 21st Century Skills



## Team Roles

- (E) Leader – Decision Maker
- (I) Information seeker – Researcher
- (R) Equipment/technology – Builder
- (A) Sign makers, layout – creator
- (S) Helpers – coach
- (C) Task master - Coordinators

**Engage.....Empower.....Excite**

# 21st Century Skills



## 21st Century Skills Consultants

### HUDDLE – 15 minutes

1. Team leader step up
2. Introductions
3. Create group name
4. Create ID badges
5. Discuss:
  1. Pros and Cons of groups
  2. Challenges you face when you group your students.
  3. Solutions
6. Presentation



**Team 21**

**Engage.....Empower.....Excite**

# 21st Century Skills



[View Route 21 Video](#)



[www.21stcenturyskills.org](http://www.21stcenturyskills.org)

**Engage.....Empower.....Excite**

# 21st Century Skills



**Team 21**

## HUDDLE

1. Why are the 21st Century skills important?
2. What are the 21st Century skills?
3. How do educators and employers differ when they talk about skills for the future?
4. How does the traditional classroom differ from the classroom 2.0?

**Engage.....Empower.....Excite**

# 21st Century Skills



## A vision of Today's Student



**Engage.....Empower.....Excite**

# 21st Century Skills



**Engage.....Empower.....Excite**



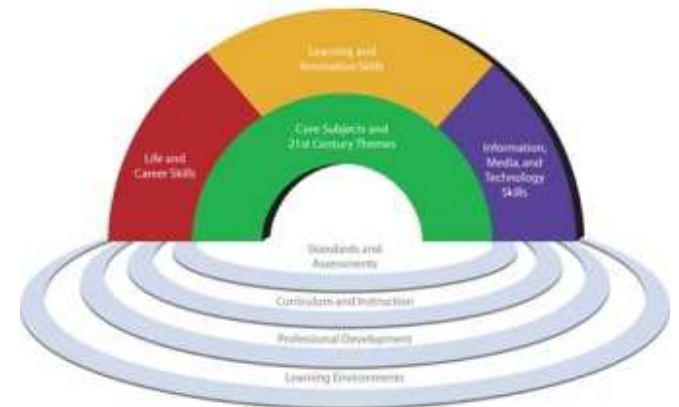
# 21st Century Skills

## Learning and Innovation Skills

 Creativity and Innovation

 Critical thinking and Problem Solving/Solutions Finding

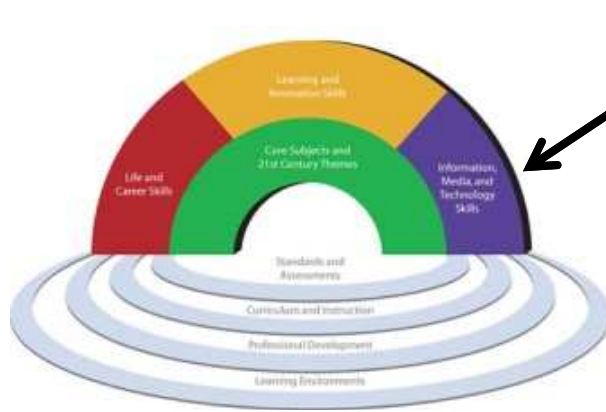
 Communication and Collaboration



**Engage.....Empower.....Excite**

# 21st Century Skills

## Information, Media and Technology Skills



 Information Literacy

 Media Literacy

 ICT – Information, Communications and Technology Literacy



Today's Students are Digital Natives



**Engage.....Empower.....Excite**

# 21st Century Skills



Learning Skills +	21st Century Tools =	ICT Literacy
Thinking and Problem Solving Skills	Spreadsheets, decision support, design tools.	Using ICT to manage complexity, solve problems and think critically, creatively and systematically.
Information and Communication Skills	Word Processing, email, media presentation, web search	Using ICT to access, manage, integrate, evaluate, create and communicate information
Interpersonal and Self-direction skills	E-Learning, time management/calendar, collaboration	Using ICT to enhance productivity and personal development

**Engage.....Empower.....Excite**

# 21st Century Skills



Light an Educational Fire



**Engage.....Empower.....Excite**

# 21st Century Skills



## How Do We Teach These Skills?

TEAM 21	21st Century Skill Boot Camp
	Critical Thinking and Problem Solving
	Group Collaboration/Team Work
	Research and use of resources
	Communications – speaking
	Communications – Listening, Following instructions
	Communications - writing
	Productivity and work ethic
	Organizational
	Creativity and Innovation
	Time management



**Engage.....Empower.....Excite**

# 21st Century Skills



**30 Minutes**



**Team 21**

1. Define the skill
2. Create a validation activity.
3. Include a rubric.
4. Create a task the student will do in class or for homework.
5. Create handouts for our group.

**Engage.....Empower.....Excite**

# Life Skills



Leadership	Ethics	Accountability
Adaptability	Personal Productivity	Personal Responsibility
People Skills	Self-direction	Social Responsibility

## Additional 21st Century Skills and Rubrics



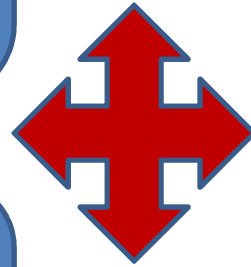
# 21st Century Content



## Interdisciplinary Themes

Global  
Awareness

Financial, Economic,  
Business,  
Entrepreneurial  
Literacy



Civic  
Literacy

Health and  
Wellness  
Awareness

**Learn Content Through Real World Experiences!**

# 21st Century Resources



**The textbook is no longer the only resource!**

- Printed on paper
- Printed on screen
- Audio
- Visual
- What resources are in your building, town, student's home?
- Local, regional, national, global?
- Connect to the source or the experts?



**Engage.....Empower.....Excite**

# 21st Century Tools

# Web 2.0

## Hardware

Computers  
Cell Phones/Skype  
MP3 Players/IPods  
Digital/video  
records  
Smart Boards

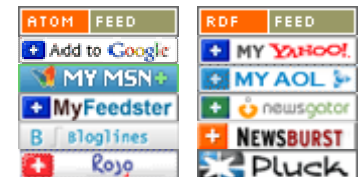


## Software

1. Blogs
2. Wikis
3. Second Life
4. Podcasts
5. Google Alerts
6. Flickr
7. Social Bookmarking Services
8. eLearning – Moodle
9. WebPages



RSS Feeds



# 21st Century Skills



**Will Richardson's Blog site for Resources**



<http://weblogg-ed.com/book-info/>



**CareerSmarts:**

[www.careersmarts.com/21frame.htm](http://www.careersmarts.com/21frame.htm)

**Engage.....Empower.....Excite**

# 21st Century Skills



## 21st Century Assessment

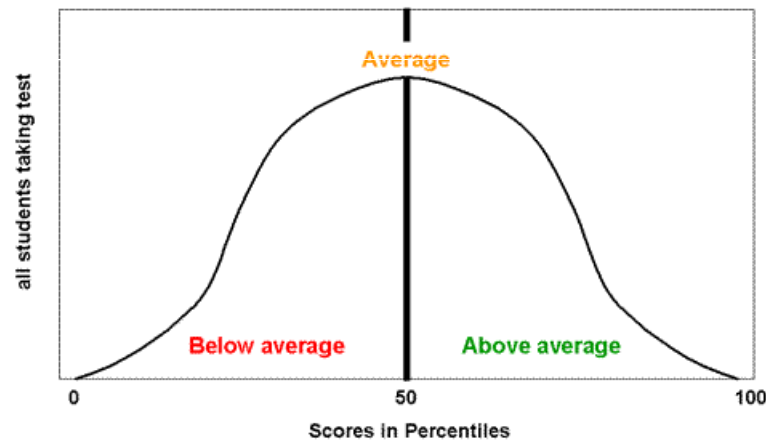
Make it all happen!

Change attitudes, levels of mastery, assign power to learn.



### The Bell Curve

Norm-referenced Tests (NRTs) are designed to compare student performance to other students



Engage.....Empower.....Excite

# 21st Century Skills



## Pros and Cons of Points Assessment System

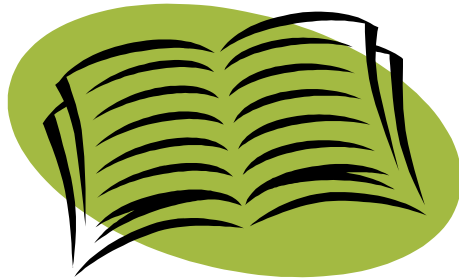
**Team 21**

**Engage.....Empower.....Excite**

# 21st Century Skills



Will Richardson



#1  
Open  
Content

## The Big Shifts!



#2 Learning 24/7



#3  
Group  
Collaboration



# 21st Century Skills

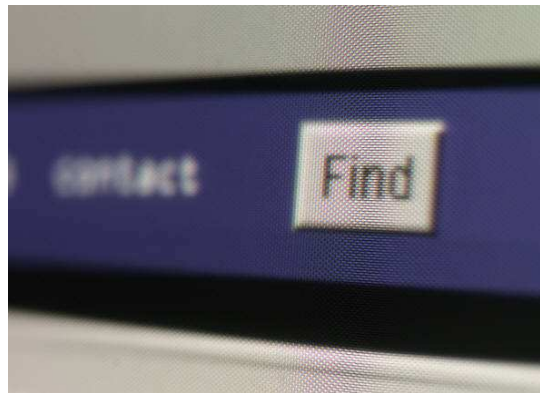


## The Big Shifts!



#4

Teaching is  
Conversation,  
Not Lecture



#5 Know “Where” Learning

#6

Critical  
Consumers  
of data.

# 21st Century Skills



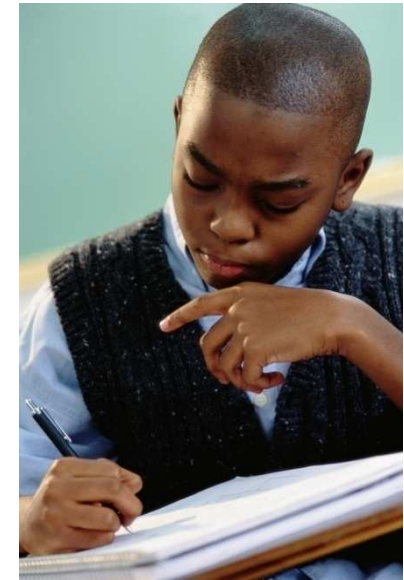
#7

Web becomes  
the digital  
notebook.

## The Big Shifts!



#8 Writing is no longer limited to text.



#9

Mastery is  
the Product,  
Not the Test

# 21st Century Skills



#10

Contribution, Not Completion,  
is the ultimate goal.

**The  
Big  
Shifts!**



# Overall Implementation

21st Century Education	Methods
Content	Global awareness Financial, economic and business Literacy Civic literacy Health and wellness
Context	Real world simulations
Learning Skills	Thinking and problem solving Information and communication Interpersonal and self-direction
Technology Tools	Hardware/software; Internet
Assessments	Mastery of content and skills validated by the use of technological tools.

# 21st Century Skills



## New Groups



Plan 1 Curriculum Unit using:

- 21st Century Skills,
- Tools
- Assessments
- Simulation
- Printed resources
- Internet resources
- Computer software
- Group collaboration
- “Out of the box” thinking



**Engage.....Empower.....Excite**

# 21st Century Skills



GROUPS (3 educators per group)	CURRICULUM
Business	<ol style="list-style-type: none"> <li>1. Marketing</li> <li>2. Finance/Accounting</li> <li>3. Computers/Skills/Keyboarding</li> </ol>
Family Consumer Science	<ol style="list-style-type: none"> <li>1. Child Development</li> <li>2. Foods</li> <li>3. Interior Design</li> <li>4. CC</li> <li>5. 6<sup>th</sup> grade</li> <li>6. 8<sup>th</sup> grade</li> </ol>
Technology	<ol style="list-style-type: none"> <li>1. Media/Photo Arts</li> <li>2. Technical Trades</li> <li>3. Technical Professions</li> <li>4. 6th grade</li> <li>5. 7th grade</li> <li>6. 8<sup>th</sup> grade</li> </ol>

**Engage.....Empower.....Excite**

# 21st Century Skills



## School House 1.0



## Digital Classroom 2.0

Engage.....Empower.....Excite



# 21st Century Skills



## GAMES<sup>2</sup> CAREERS



Career Success Is Child's Play

Gubing and McKenna

*Thank you!*

*Go Forth and do  
Great Things!*

sue@careersmarts.com

**Engage.....Empower.....Excite**