



Friday, September 6, 13

1

## Learning Objectives

At the end of this program, participants will be able to:

1. Explore the 'Sign of the Times' in education that are leading us into the Learning Revolution.
2. Learn about key *factors of the Learning Revolution*
3. Understand *A Pattern Language* for creating Immersive Learning Environments
4. Case Studies:

Sarasota's TechActive Classroom of Tomorrow

The Immersive LearningScape

Friday, September 6, 13

3



Friday, September 6, 13

2



Friday, September 6, 13

4



## QUESTIONS

Is our current education making us competitive in the global marketplace?

Friday, September 6, 13

5



## QUESTIONS

What skills will be needed to excel as we further move into the 3rd millennium?

Friday, September 6, 13

6

## 8 JOBS THAT WILL EXIST IN THE FUTURE

- 1 Digital Death Manager ("Life-Logging" Expert)
- 2 Un-Schooling Counselor (Evolution of the Traditional School Counselor)
- 3 Armchair Explorer (Digital Travelers/Problem Solvers)
- 4 3-D Printing Handyman (Future Mr. Fix-it)
- 5 Microbial Balancer (Feng Shui of the Future)
- 6 Corporate Disorganizer (Masters of Organized Chaos)
- 7 Digital Detox Specialist (Fighting the Digital Overload)
- 8 The Urban Shepherd (Sustainable Infrastructure Maintainers)

"8 New Jobs People will Have in 2025" Fast Company

Friday, September 6, 13

7



## QUESTIONS

What will their jobs be like?

Friday, September 6, 13

8

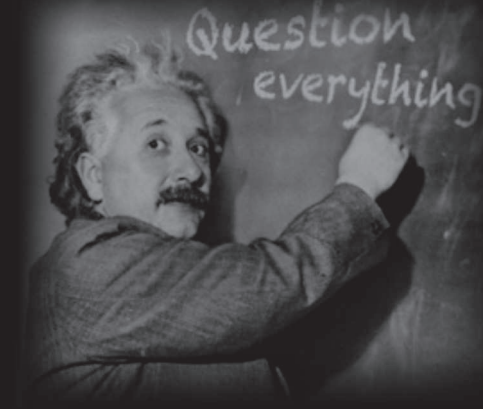
## 10 JOBS THAT DID NOT EXIST 10 YEARS AGO

- 1 App Developers (Creative Tech)
- 2 Market research Data Miner (Library science – Info gathering/summarizing)
- 3 Millennial Generational Expert (Social Networks)
- 4 Social Media Manager (Social Networks)
- 5 Chief Listening Officer (Social Spy)
- 6 Cloud Computing Services (Data Storage and Sharing)
- 7 Elder Care (Health and Communication – Baby Boomers)
- 8 Sustainability Expert (Global Warming / Green Economy)
- 9 User Experience Design ( Right Brain thinking)
- 10 Academic and Admissions Consultant (Education and Access)

*"10 jobs that did not exist 10 years ago" FORBES MAGAZINE*

Friday, September 6, 13

9

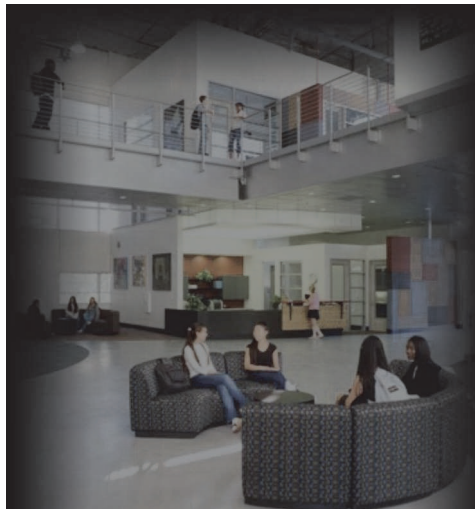


## QUESTIONS

How do you create the ultimate inquisitive learning environment?

Friday, September 6, 13

10



## QUESTIONS

As acquiring content becomes more automated, and teamwork across disciplines becomes critical to a creative, conceptual, and innovation society, what kinds of learning spaces promote trans-disciplinarily collaboration?

Friday, September 6, 13

11



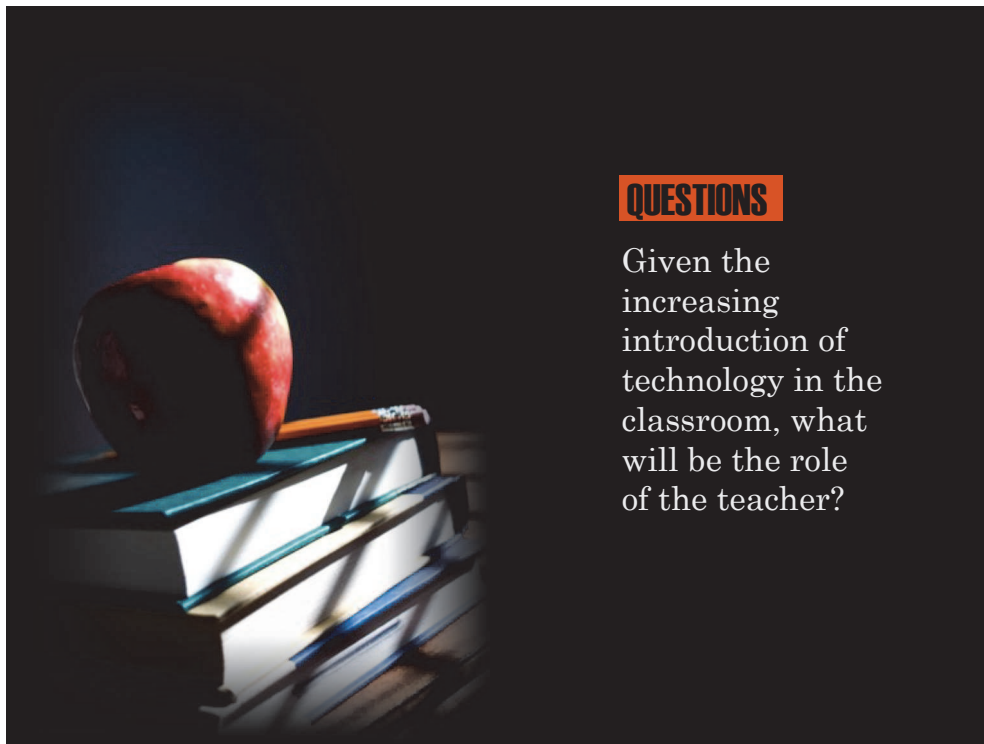
## QUESTIONS

Why are we teaching in the same spaces as we did in the 19th Century?

Friday, September 6, 13

12





## QUESTIONS

Given the increasing introduction of technology in the classroom, what will be the role of the teacher?

Friday, September 6, 13

13



## LEARNING OBJECTIVE #1

# SIGN OF THE TIMES

*As the world flattens, education will heighten.*

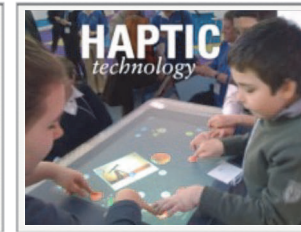
Friday, September 6, 13

15

## The Immersive LearningScape 1.0 Recap



1 Student Discontent



2 Changing Technology



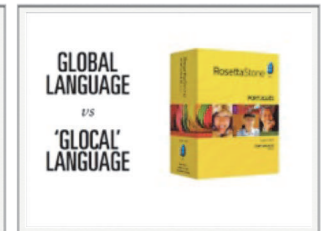
3 Empowered Individuals



4 Teaching Dilemmas



5 A Customizable World



6 Global Equalization

Friday, September 6, 13

14

# 19th

COUNTRIES  
— VS —  
COUNTRIES



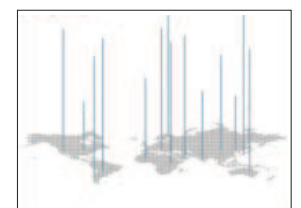
# 20th

CORPORATIONS  
— VS —  
CORPORATIONS



# 21st

INDIVIDUALS  
— VS —  
INDIVIDUALS



Friday, September 6, 13

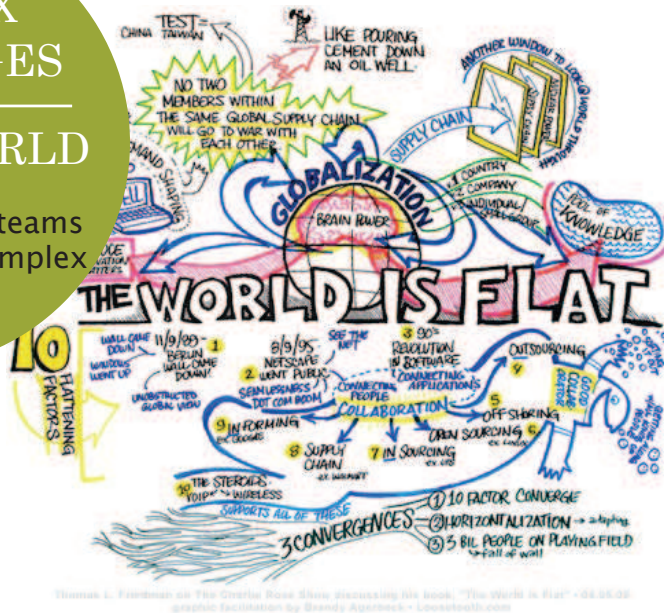
16



A large, stylized map of the United States is formed by a dense arrangement of small, repeating text blocks. The text within these blocks is too small to be legible but appears to be a mix of words and phrases. The map is oriented with the top of the image representing the north. The title "Increasingly Flat," is written in a large, bold, orange font in the upper left corner of the image.

17

Multi-disciplinary teams  
needed to solve complex  
challenges

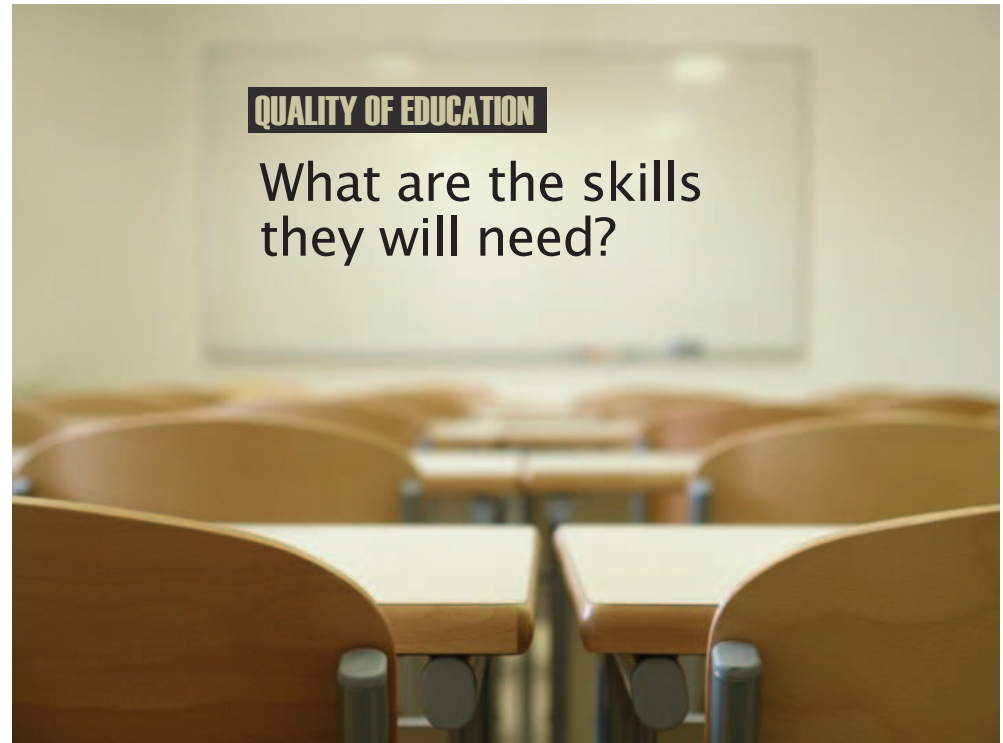


19

increasingly flat,  
education is heightened

18

## What are the skills they will need?



20





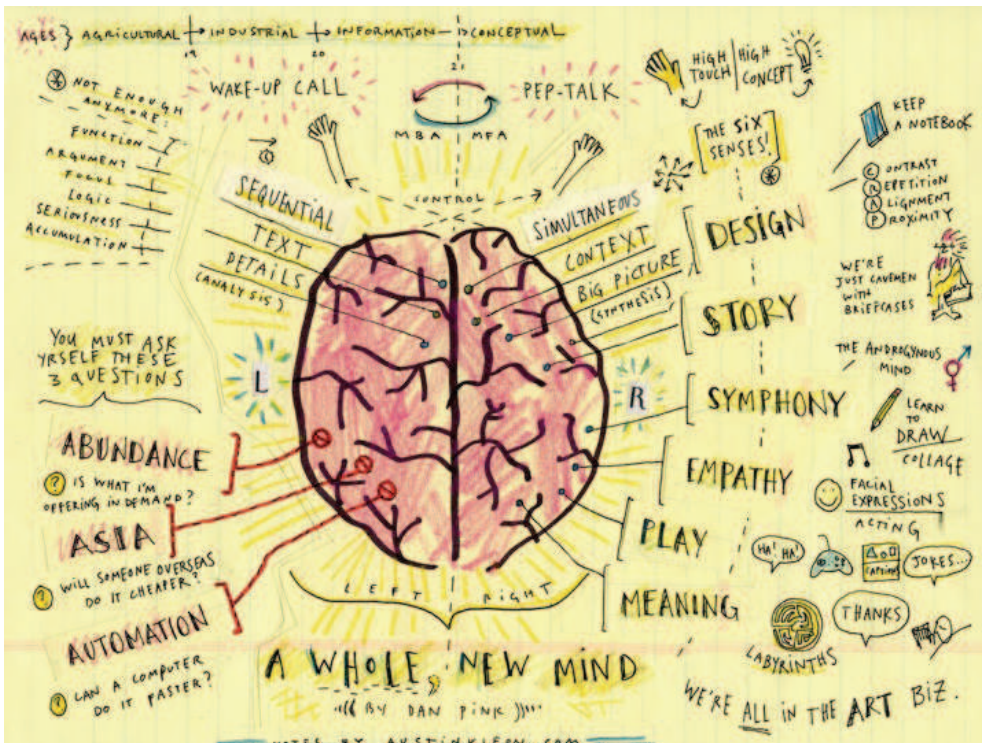
Friday, September 6, 13

21



Friday, September 6, 13

22



Friday, September 6, 13

23



Friday, September 6, 13

24



# WHY AREN'T STUDENTS PREPARED FOR COLLEGE?

PRIMARY SOURCES:  
AMERICA'S TEACHERS ON AMERICA'S SCHOOLS

Give them standardized tests, but not all the time, and their lives shouldn't depend on it, and neither should ours.



## Overall, teachers ranked “Lack of motivation” as the #1 reason

	TOTAL	ES	MS	HS
Lack of participation in CP	2%	2%	2%	3%
Poor reading and comm. skills	19%	20%	17%	15%
Lack of critical thinking skills	17%	18%	16%	17%
Lack of encouragement	27%	34%	22%	15%
Lack of motivation	34%	25%	43%	49%
Not sure	1%	1%	0%	1%

LEARNING OBJECTIVE #2

We are entering a

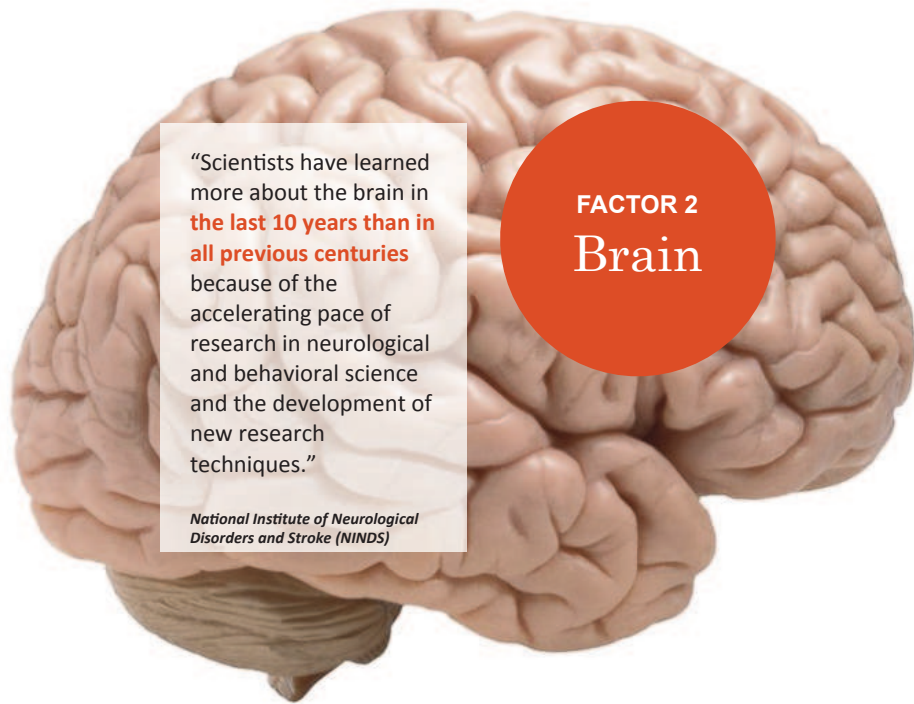
# LEARNING REVOLUTION



FACTOR 1  
Technology







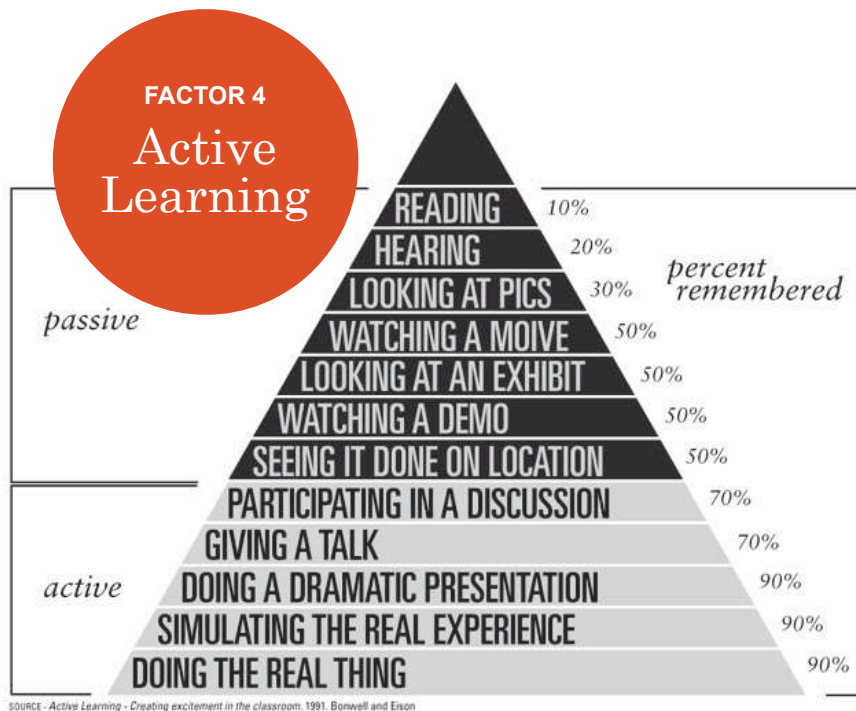
Friday, September 6, 13



29

Friday, September 6, 13

30



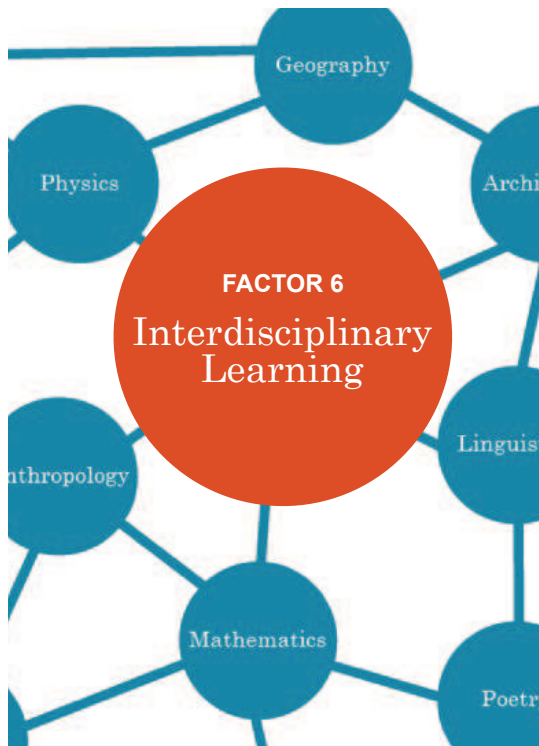
Friday, September 6, 13

31



Friday, September 6, 13

32



Friday, September 6, 13

**20th Century**  
Linear Learning =  
1 isolated discipline  
per hour

**21st Century**  
Cross-Disciplinary  
Learning =  
Multiple disciplines  
simultaneously

33



Friday, September 6, 13

34



Friday, September 6, 13

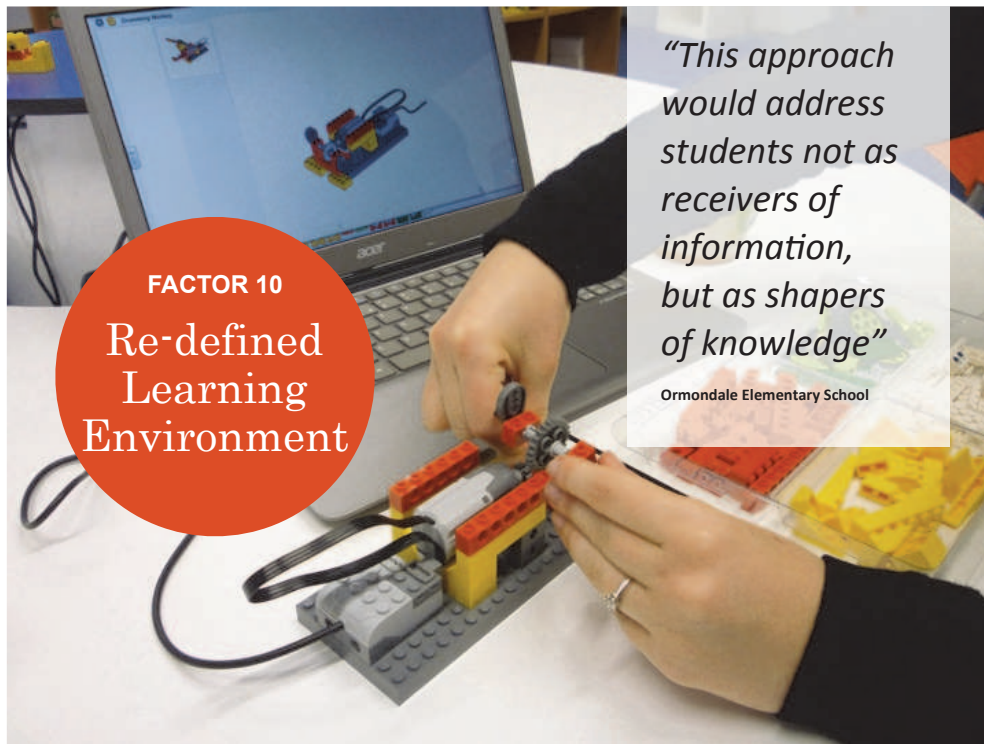
35



Friday, September 6, 13

36





Friday, September 6, 13

37

Technology  
Augmented Reality Technology



Friday, September 6, 13

39



Friday, September 6, 13

38

Technology  
Blended Learning



Friday, September 6, 13

40



Technology  
1-to-1 learning



Friday, September 6, 13

41

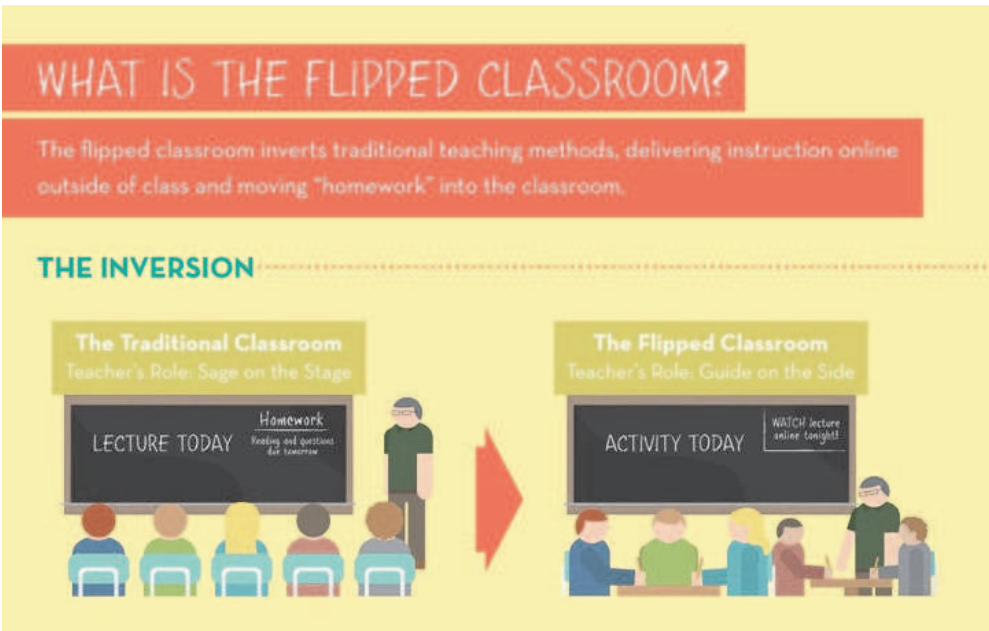
Technology  
Teacher 1-to-1 supervision



Friday, September 6, 13

42

Technology  
Flipped Classroom



Friday, September 6, 13

43



Friday, September 6, 13

Technology  
Prosumer =  
Producing + Consumer

With the proliferation of digital networks the world over, the electronic marketplace has gone from empowering the consumer to supporting a global civic society. Power to the people.

SOURCE: The Third Wave, Alvin Toffler

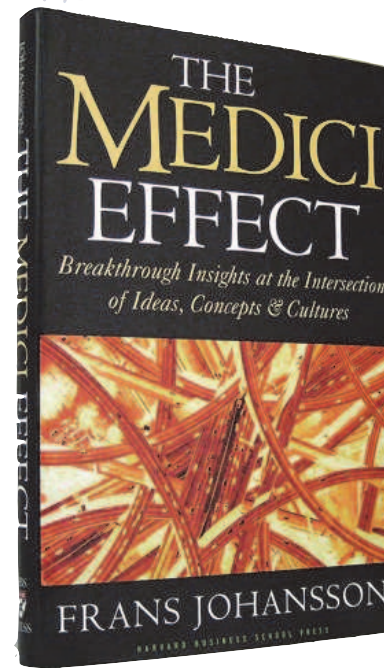
44





Friday, September 6, 13

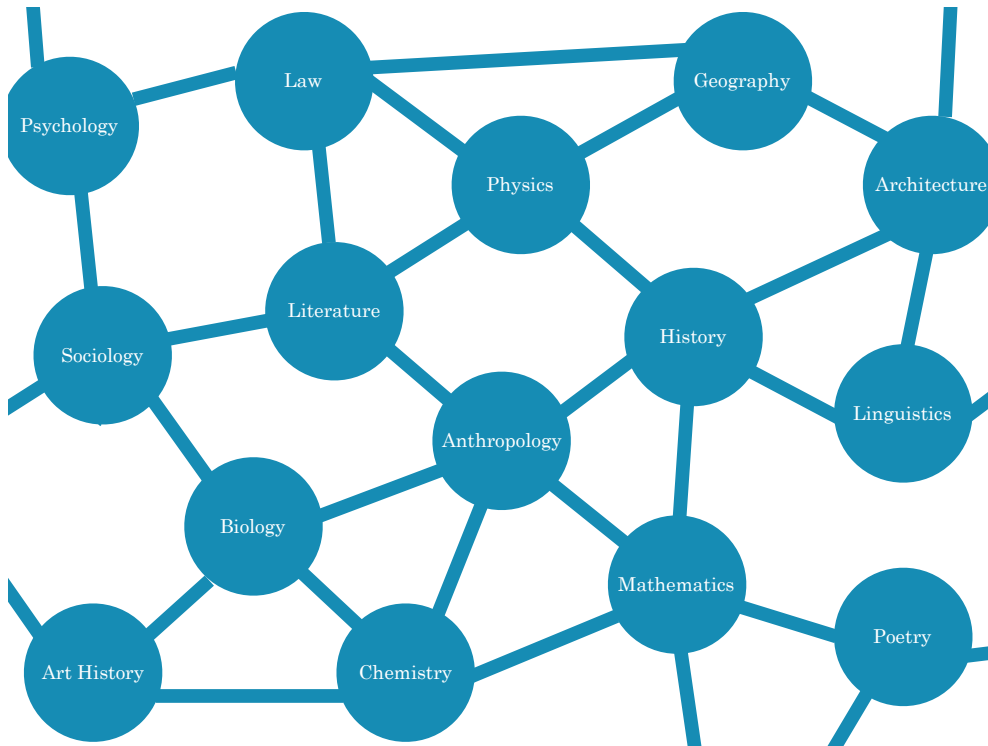
45



Friday, September 6, 13

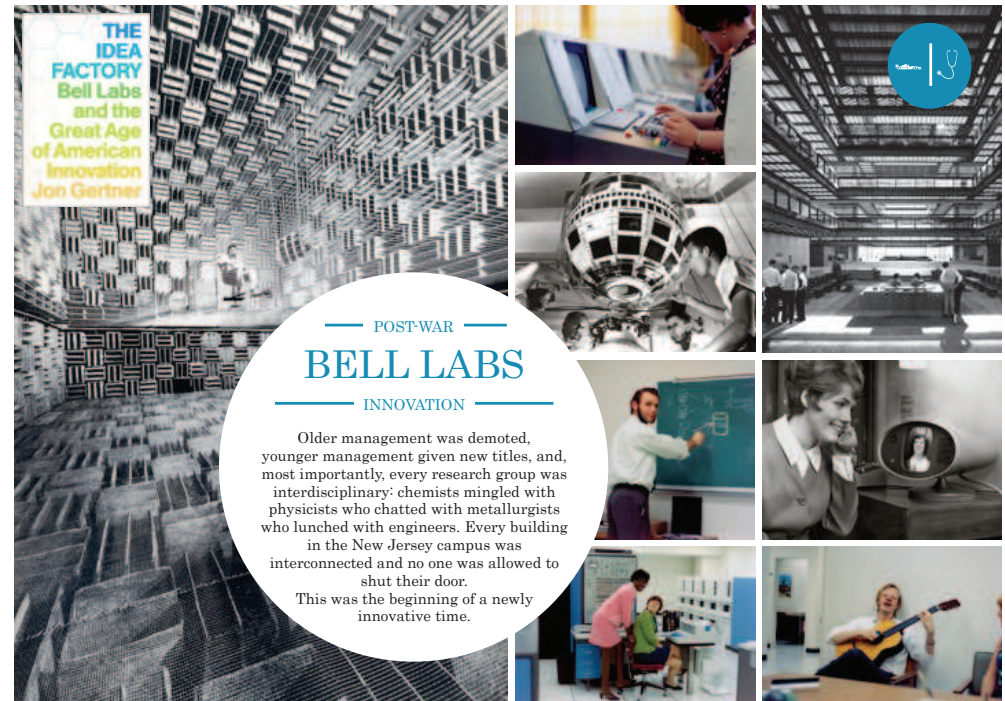


46



Friday, September 6, 13

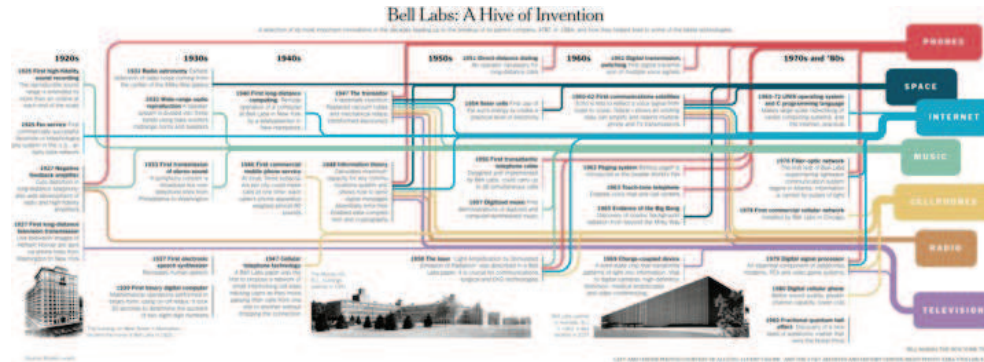
47



Friday, September 6, 13

48





Friday, September 6, 13

49

## Interdisciplinary thinking for solving challenges Volvo and Locusts

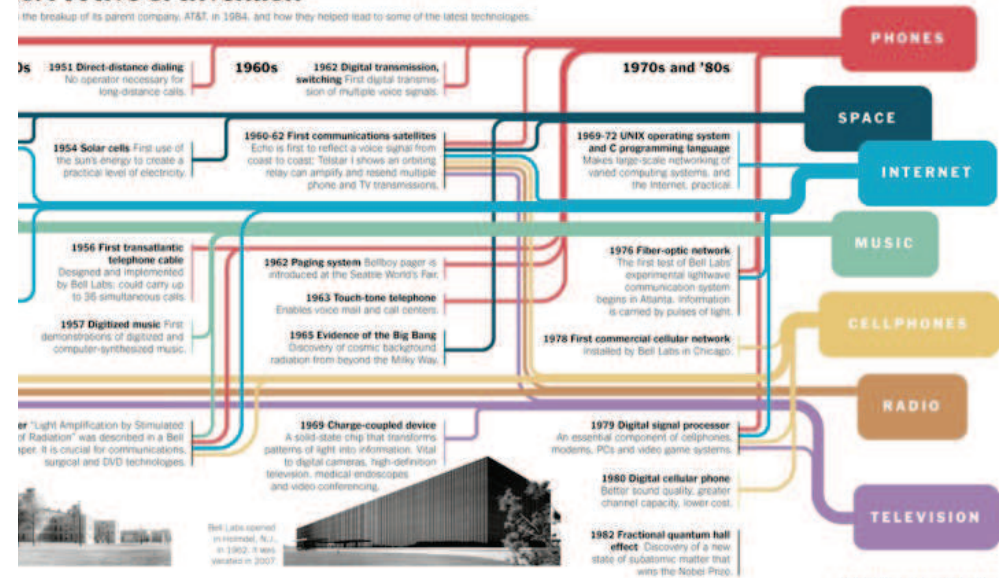


Friday, September 6, 13

51

## Phones: A Hive of Invention

the breakup of its parent company, AT&T, in 1984, and how they helped lead to some of the latest technologies.



BELL MARSH/THE NEW YORK TIMES  
LEFT AND CENTER PHOTOS COURTESY OF ALCATEL-LUCENT USA INC. AND THE AT&T ARCHIVES AND HISTORY CENTER, RIGHT PHOTO: EZRA STOLLER/ISTO

Friday, September 6, 13

50

## Interdisciplinary thinking for solving challenges Volvo and Locusts



Friday, September 6, 13

52







**Pattern 2: Transparency**  
Cross-Pollination of Ideas



Friday, September 6, 13

57

**Pattern 4: Immersive-Scape**  
Relevance of Knowledge



Friday, September 6, 13

59

**Pattern 3: Tinkering Space**  
Creative Space



Friday, September 6, 13

58

**Pattern 5: Unifying Space**  
Collaboration



Friday, September 6, 13

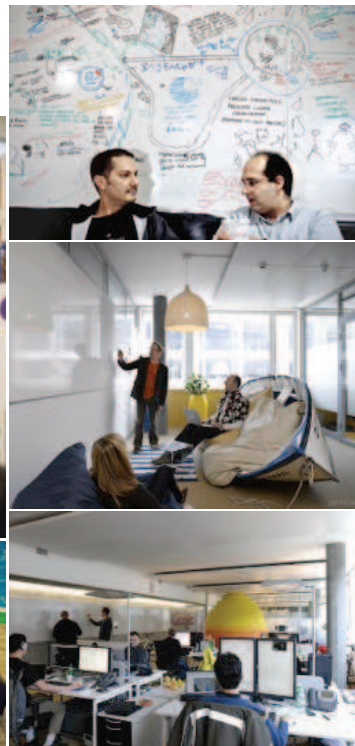
60



Pattern 6: Play-Scape  
Fun-scape



Friday, September 6, 13



61

Pattern 7: Adaptability  
Flexibility



Friday, September 6, 13



62

Pattern 8: Technology-infused Learning  
Active & Engaging Tools



Friday, September 6, 13

63

methodologies of  
**TEACHING** vs. typologies of  
**LEARNING**

Friday, September 6, 13

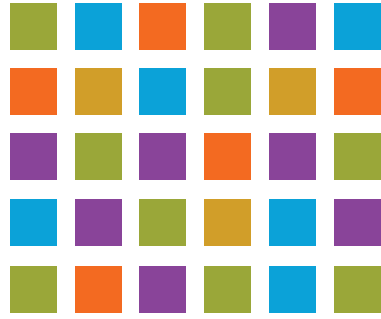
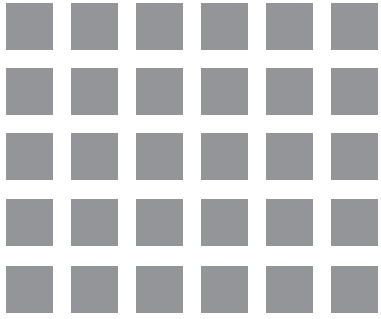
64



## methodologies of **TEACHING**

vs.

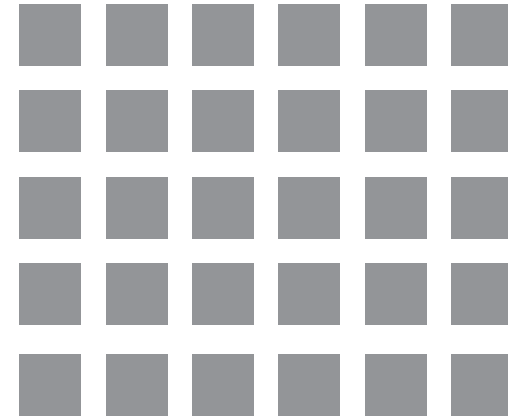
## typologies of **LEARNING**



Friday, September 6, 13

65

## class**ROOM**



Friday, September 6, 13

66

## vs. learning**SCAPE**



## typologies of **LEARNING – space**

Friday, September 6, 13

67

Friday, September 6, 13

68

typologies of  
**LEARNING-SPACE**



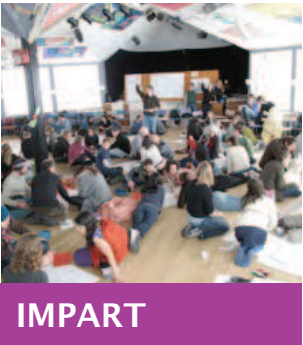
**THINK**



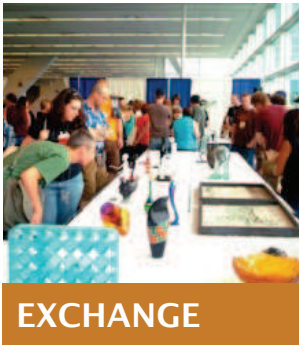
**CREATE**



**DISCOVER**



**IMPART**



**EXCHANGE**

Friday, September 6, 13

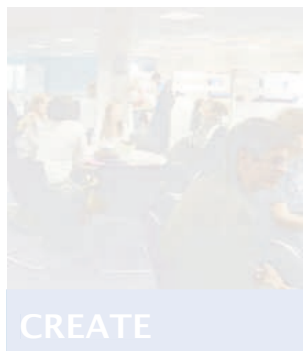
69

**Think-Scape**  
A Space that Supports a “Thinking Curriculum”

typologies of  
**LEARNING-SPACE**



**THINK**



**CREATE**



**DISCOVER**



**IMPART**



**EXCHANGE**

Friday, September 6, 13

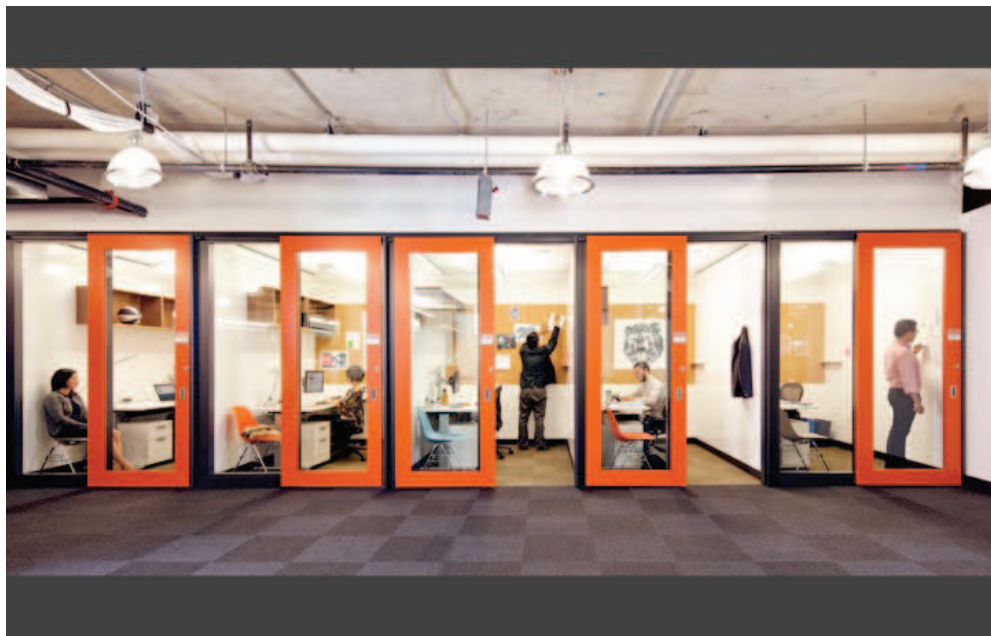
70

**Think-Scape**  
A Space for Research



Friday, September 6, 13

71

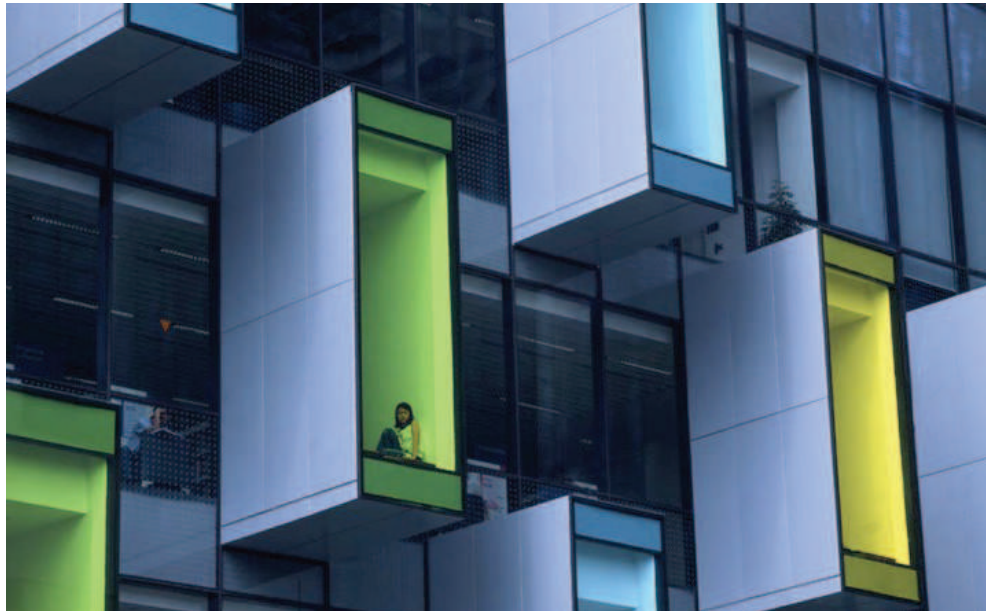


Friday, September 6, 13

72



Think-Scape  
A Space for Contemplation



Friday, September 6, 13

73

Think-Scape  
A Space for Critical Thinking



Friday, September 6, 13

74

Think-Scape  
A Space for Assessment



Friday, September 6, 13

75

Think-Scape  
A Space for Visual and Audio Recording



Friday, September 6, 13

76



Think-Scape  
A Space for Individual Distance Learning



Friday, September 6, 13

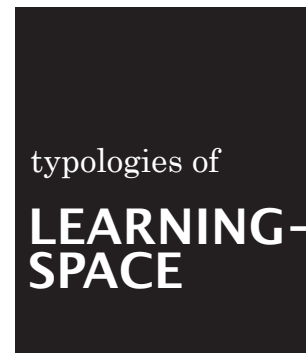
77

Create-Scape  
A Space for Teamwork



Friday, September 6, 13

79



THINK



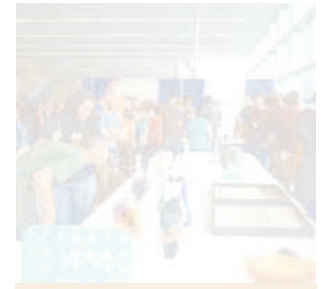
CREATE



DISCOVER



IMPART



EXCHANGE

Friday, September 6, 13

78

Create-Scape  
A Space for Collaboration



Friday, September 6, 13

80



## A Space that Supports Communication



Friday, September 6, 13

81

## A Space that Records Collaborative Ideas



Friday, September 6, 13

82

## A Space that Supports Cross-Cultural Distance Learning



Friday, September 6, 13

83

## A Space that Supports STEM & STEAM Education



Friday, September 6, 13

84



Create-Scape

Case Study Sarasota's Classroom of Tomorrow



Friday, September 6, 13

Create-Scape

A Space that Supports Project-Based Learning

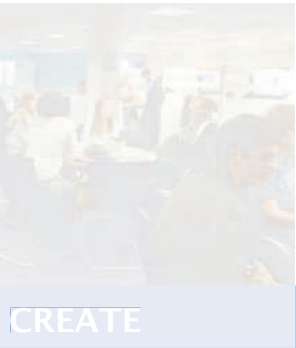


Friday, September 6, 13

typologies of  
**LEARNING-  
SPACE**



THINK



CREATE



DISCOVER



IMPART



EXCHANGE

Friday, September 6, 13

Discover-Scape

A Space for Hands On Investigative Learning



Friday, September 6, 13



Discover-Scape  
A Space for Tinkering



Friday, September 6, 13

89

Discover-Scape  
A Space for Failure



Friday, September 6, 13

91

Discover-Scape  
A Space for Production



Friday, September 6, 13

90

Discover-Scape  
A Space for Idea Application

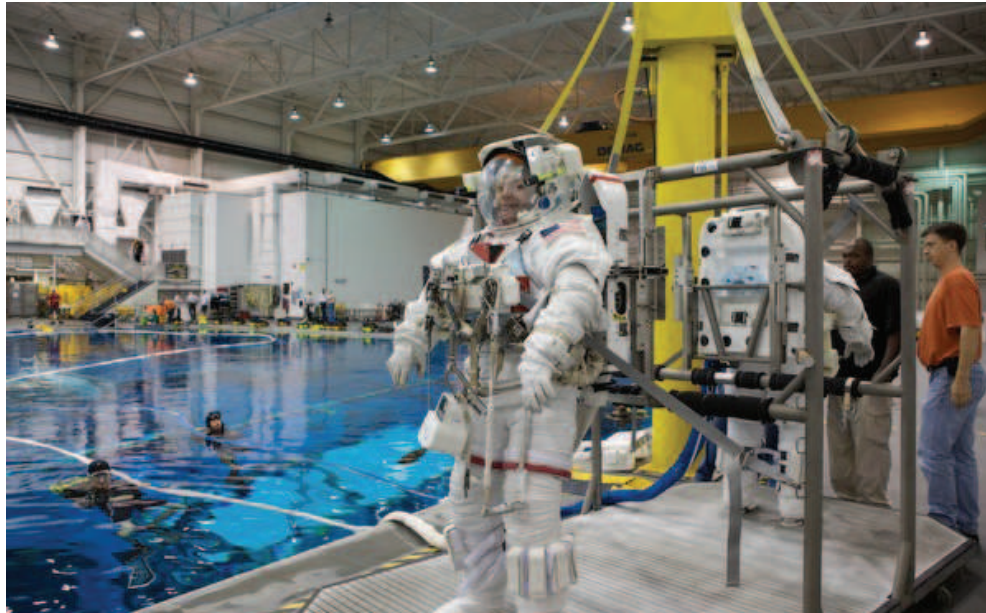


Friday, September 6, 13

92



Discover-Scape  
A Space for Specificity



Friday, September 6, 13

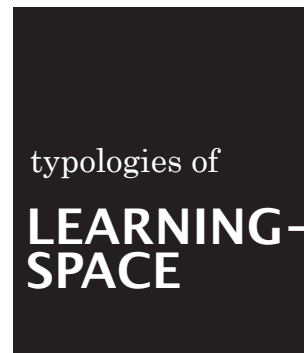
93

Impart-Scape  
A Space for Sharing

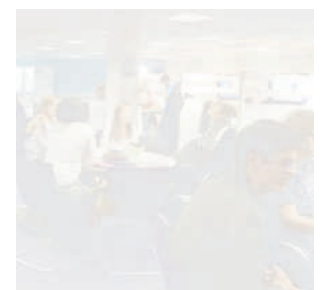


Friday, September 6, 13

95



THINK



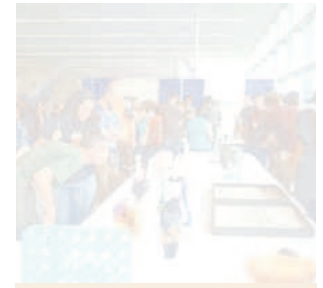
CREATE



DISCOVER



IMPART



EXCHANGE

Friday, September 6, 13

94

Impart-Scape  
A Space for Teaching



Friday, September 6, 13

96



Impart-Scape  
A Space for Quick Lessons



Friday, September 6, 13

97

Impart-Scape  
A Space for Distance Learning



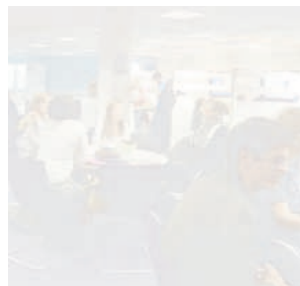
Friday, September 6, 13

98

typologies of  
**LEARNING-SPACE**



THINK



CREATE



DISCOVER



IMPART



EXCHANGE

Friday, September 6, 13

99

Exchange-Scape  
A Space for Social Learning



Friday, September 6, 13

100



Exchange-Scape  
A Space for Co-Teaching



Friday, September 6, 13

101

Exchange-Scape  
A Space for Informal Conversation



Friday, September 6, 13

103

Exchange-Scape  
A Space for Interactions



Friday, September 6, 13

102

Exchange-Scape  
A Space for Serendipity



Friday, September 6, 13

104





Friday, September 6, 13

105

LEARNING OBJECTIVE #4

# CASE STUDIES

- Sarasota's TechActive Classroom of Tomorrow
- Re-Thinking the Knowledge Community



Friday, September 6, 13

106

## CASE STUDY 1

Sarasota County, Florida  
Presents

TechActive  
CLASSROOM OF  
TOMORROW

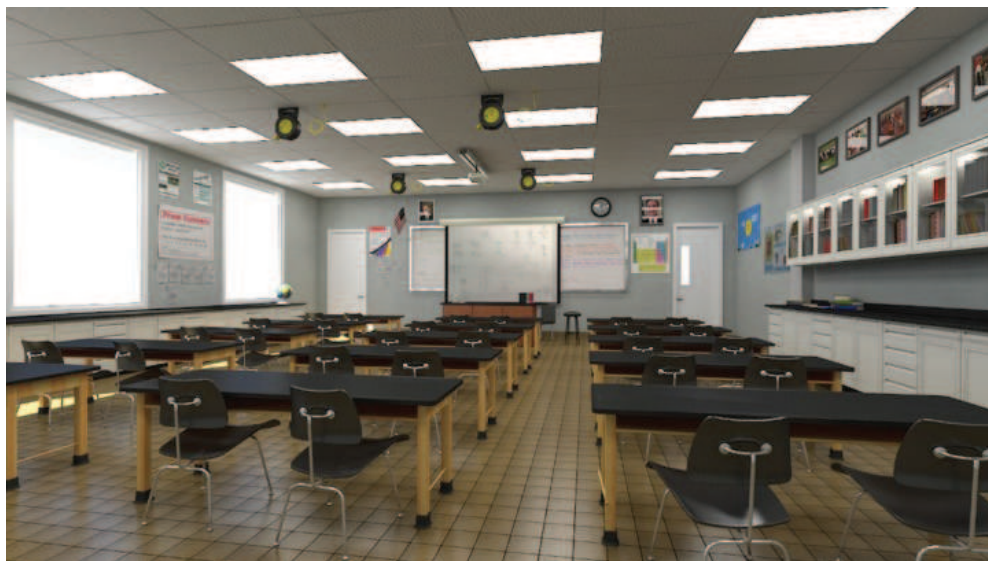
Friday, September 6, 13

107



Friday, September 6, 13

108



Friday, September 6, 13

## The STEM Challenge

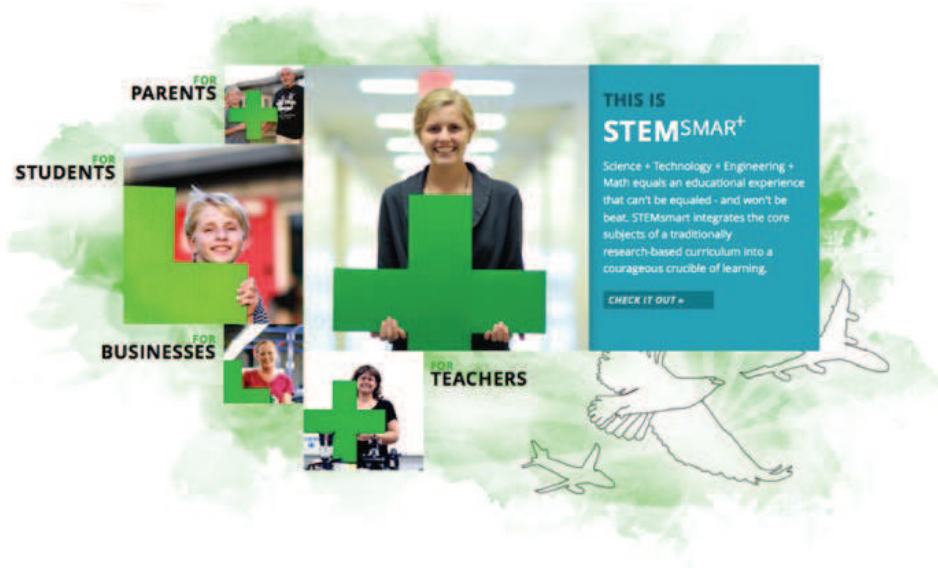
- ① How can middle schools deliver instruction to the current generation of **digital learners** that is in keeping with their **incredible level of online connectivity**?
- ② How can classrooms be restructured to **reflect** the **functional realities** of the **21st century workplace**?
- ③ How can **math** and **science** classes become a “**magnet**” for student learning?

Friday, September 6, 13

109

# STEM<sup>SMART</sup>

Gulf Coast Community Foundation  
Grant to support STEM teaching and learning



Friday, September 6, 13

110



Friday, September 6, 13

111

## Considerations *we acknowledged...*

- ① Students born into the digital age **think** and **learn differently** from any generation before them
- ② Students need 21st century learning skills for success in a **global economy**
- ③ All learning is based in **language**

112



## Collaboration

Middle School Executive Director

Middle School Principals

Science Department Chairs

Science Teachers

Science Students

## Prioritizing

- 1 Lesson design and classroom space must allow for **flexible interactions** where **teams** of students can become **immersed** in **innovative approaches** to learning.
- 2 Equipment must include **state-of-the-art technology** appropriate for **collaborative** learning opportunities where students can **explore** and **manipulate, create**, and **interact** in a **multi-sensory manner**.

Friday, September 6, 13

113

## Student Input

The **teacher's** desk would be in the **back** of the room.

Have tables with **built-in computers** where you can keep & store assessments / papers.

Have a **mini-Activboard** at every table. Sometimes **learning from kids** is easier than learning from adults. Just **reading** about doing things **isn't the same as doing it**.

Friday, September 6, 13

115

Friday, September 6, 13

## Student Input

The chairs should be **comfy** and have **padding**.

The **teacher** wouldn't be in the **front** of the classroom.

I think it would be cool to have an **electronic device built into the desks** for each student.

I would like **colorful** desks big enough for **4 students**. I would like the class to be a **hands-on style**.

**Circular tables** that seat 4 – 6 students.

Friday, September 6, 13

114

116

# Process

*Collaboration of a small team committed to realizing the vision of middle school STEM learning spaces:*

**Director of Construction**

**Director of Facilities**

**Director of Technology**

**Executive Director of Middle Schools**

Friday, September 6, 13

117

## STEM

Group Table Testing



Friday, September 6, 13

119

## STEM

Group Table Mock-up



Friday, September 6, 13

118



Friday, September 6, 13

120



# Key Instructional Components

- 1 Latest teaching methods
- 2 State-of-the-art instructional technology
- 3 Student teams learn together over time
- 4 Lab environments specifically designed to involve students in meaningful and engaging inquiry through rigorous, collaborative tasks

Friday, September 6, 13

## STEM

Teacher Professional Development



Friday, September 6, 13

121

# Annual Teacher Agreement

Acknowledging willingness to participate in the TechActive Classroom of Tomorrow teacher cohort, per the responsibilities for:

- 1 Using the customized resources
- 2 Implementing inquiry-based learning
- 3 Engaging in teacher collaboration
- 4 Integrating learning from professional development



Friday, September 6, 13

## STEM

Branding Outside



Friday, September 6, 13

122

124



STEM

Branding Inside



Friday, September 6, 13

125

STEM

Custom Tables



Friday, September 6, 13

126

STEM

'Rolly Chairs'



Friday, September 6, 13

127



STEM

Cutting Edge Technology



Friday, September 6, 13

128



## STEM

### Advanced Software



Friday, September 6, 13

129

## STEM

### Student Teams



Friday, September 6, 13

130

## STEM

### Teacher Coach

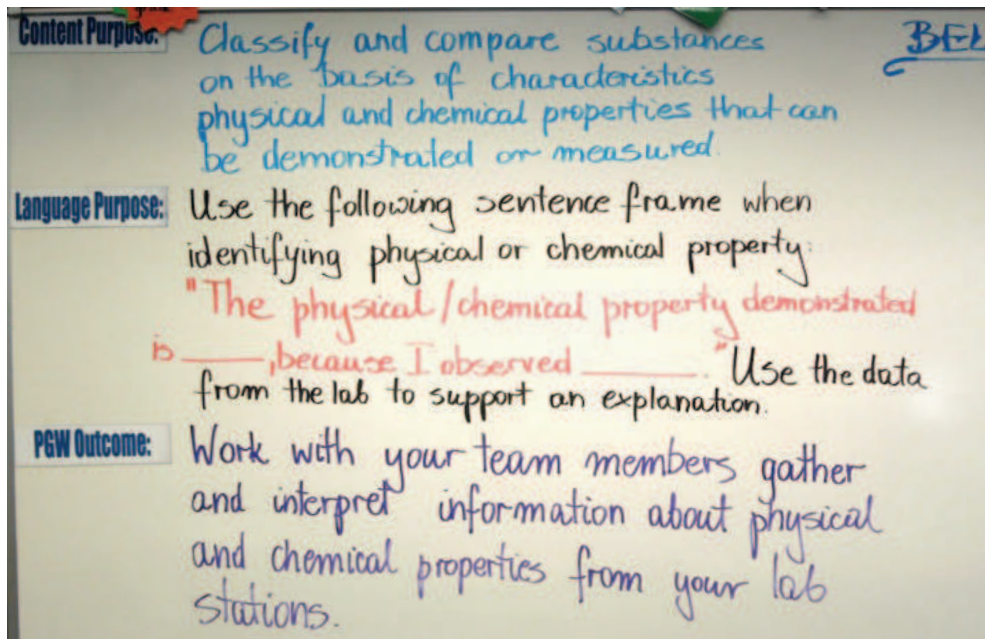


Friday, September 6, 13

131

## STEM

### Daily Learning Purpose



Friday, September 6, 13

132



STEM

Interactive Learning



Friday, September 6, 13

133

STEM

Engaging Tasks



Friday, September 6, 13

134

STEM

Flexible Space



Friday, September 6, 13

135

STEM

Movement



Friday, September 6, 13

136



## STEM

### Communication Outside of Classroom



Friday, September 6, 13

137

## Outcomes

### Inspiring Curiosity



Friday, September 6, 13

138

## Outcomes

### Inspiring Deep Thinking



Friday, September 6, 13

139

## Outcomes

### Inspiring a Love of Learning



Friday, September 6, 13

140

# Classroom Structural Renovation

\$10,000 per classroom

- 1 Electric and data to six student tables  
*Ceiling tile that allows flexibility*
- 2 Electric box attached to table
- 3 Removal of teacher demonstration in front of room
- 4 New flooring  
*Rubber in science classes; carpet in math classes*
- 5 Paint in “branding” colors
- 6 Door wrap to identify classes
- 7 16’ decal on wall about initiative

# TechActive Classroom Budget

Item	Unit Cost	# Needed	Total
Student tables	\$800.00	6	\$4,800.00
Student chairs with wheels	\$65.00	24	\$1,560.00
Touchscreen computers	\$1460.00	6	\$8,760.00
Teacher slate computer	\$750.00	1	\$750.00
Teacher table with wheels	\$1,200.00	1	\$1,200.00
TI handhelds	\$6,200.00	1 set	\$6,200.00
Probes	\$1,730.00	1 set	\$1,730.00
Digital Microscope/Camera <i>(grade 6 – 7 science only)</i>	\$215.00	7	\$1,505.00
Total Grades 6 – 7 Science			\$26,505.00
Total Math and Grade 8 Science			\$25,000.00

# Professional Development

Format	Cost	Teacher’s Time	Total
Attending workshops for learning <ul style="list-style-type: none"><li>Lesson design, Discovery/Inquiry (+ substitute teacher cost)</li></ul>	\$130.00 / day	3 days	\$390.00
Lesson Study cycle <ul style="list-style-type: none"><li>Collaborative lesson planning</li><li>Collaboratively observing lesson</li><li>Reflection</li></ul>	~ \$30.00 / hour	20 hours	\$600.00
Collaborative lesson design by course <ul style="list-style-type: none"><li>Planning Productive Group Work discovery learning experiences during the summer</li></ul>	~ \$30.00 / hour	22.5 hours	\$675.00
TI workshops <ul style="list-style-type: none"><li>Learning to use the handhelds (+ substitute teacher cost)</li></ul>	\$130.00 / day	6 days	\$780.00
Total Per Teacher For Professional Development			\$2,445
TI trainer workshops / In-class coaching			

# Project Managers

- 1 Technology
- 2 Construction and Renovation
- 3 Purchasing and Warranty



EVALUATION RESULTS: YEAR 1

## *Teachers report ...*

- **Increased** use of **inquiry-based** practices
- Inquiry approaches **deepen** student **understanding**, **improve problem solving**, and **communication skills**
- Inquiry practices **increase student motivation**
- They've never **worked so hard** and had **so much fun!**

Friday, September 6, 13

145

EVALUATION RESULTS: YEAR 1

## *Students report ...*

- More **collaborative** learning in classes
- Increase in **team activities** and **experiments**
- Increased interest in **science**
- **Enjoying** STEM learning

Friday, September 6, 13

146

EVALUATION RESULTS: YEAR 1

## *FCAT Science Results*

- 19 Grade 8 TechActive Science teachers taught students who participated in the Grade 8 Science FCAT in 2012-2013.
- In more than half of these classes, **over 90%** of the students demonstrated proficiency on the Grade 8 Science FCAT as **compared to an average of 59% for the District and 47% statewide.**
- In four of these classrooms, **100%** of the students demonstrated proficiency.

Friday, September 6, 13

147

EVALUATION RESULTS: YEAR 1

## *FCAT Mathematics Results*

- In SY 2012-2013, 68 percent of all middle school students were proficient in mathematics while **91 percent of middle school students in TechActive classrooms were proficient in mathematics.**
- In half of the TechActive classes, **100 percent of the students were proficient on the FCAT in SY 2012-2013.**

Friday, September 6, 13

148

## EVALUATION RESULTS: YEAR 1

# *FCAT Algebra Results*

- 10 Algebra teachers instructed within TechActive Classrooms
- In 9 out of the 10 TechActive Algebra classrooms, **100 percent of the students were proficient** and passed the Algebra EOC in 2012-2013 as compared to a District average of 73% and a statewide average of 64%.

Friday, September 6, 13

149

Click for the Classroom of Tomorrow video



Friday, September 6, 13

150

## CASE STUDY 2

# Re-thinking the knowledge community

IMMERSIVE – MEDIUM SCALE – LOW IMPACT – APPLICABILITY TO ALL SCHOOLS

Friday, September 6, 13

151



PILOT MOUNTAIN MIDDLE SCHOOL, Pilot Mountain, NC

Friday, September 6, 13

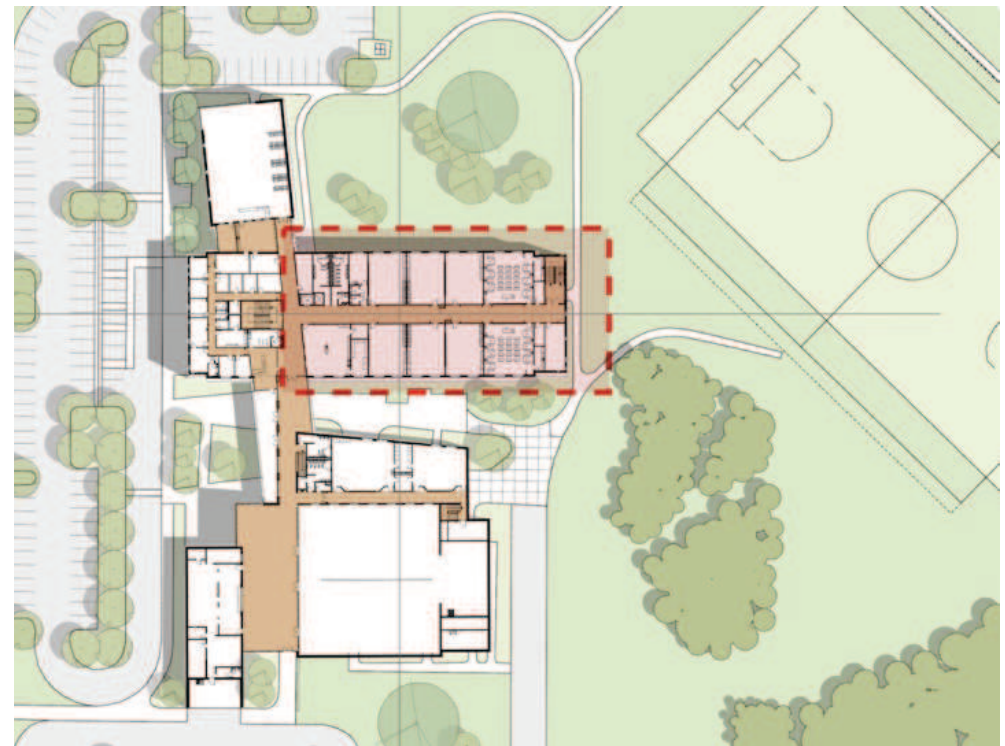
152





Friday, September 6, 13

153



Friday, September 6, 13

154

### Integrated Curriculum Model

### ITEEA Recommendations



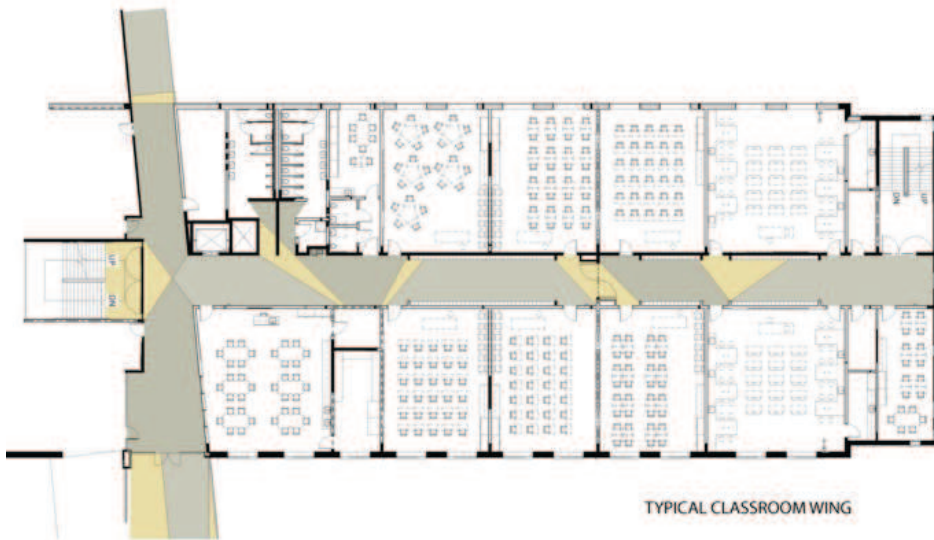
#### INTERNATIONAL TECHNOLOGY AND ENGINEERING EDUCATORS ASSOCIATION

*"The current mainstream school facility models restrict the teaching of science, math, technology and engineering subjects to individual rooms designed around isolated topics/disciplines."*

The National Governors Association report-- "Innovation America: Building a Science, Technology, Engineering and Math Agenda", pg. 8 further describes it. *"The existing core curriculum, which is divided into silos and focuses on traditional math and science, is often criticized as being irrelevant and boring to today's students."*

Studies report that the interest levels of American students, especially girls, in science begin to drop around middle school. *As factors in turning off high numbers of students to STEM disciplines and professions, researchers point to the artificial separation in the curriculum of natural phenomenon into subjects, the focus on natural sciences and lack of attention to the human-made world of engineering and technology, and the disconnect of coursework from the lives of students."*

*ITEEA (International Technology and Engineering Educators Association) report, a May 3, 2011*

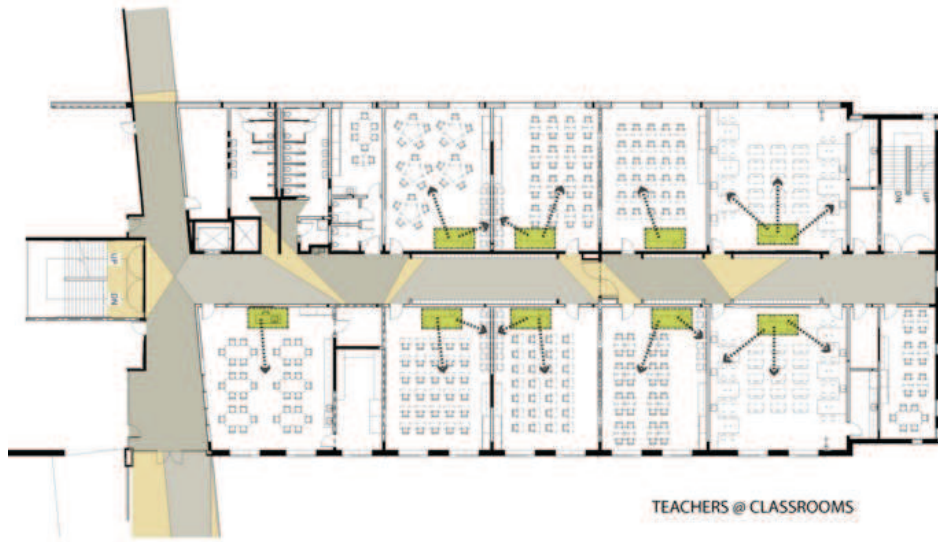


Friday, September 6, 13

155

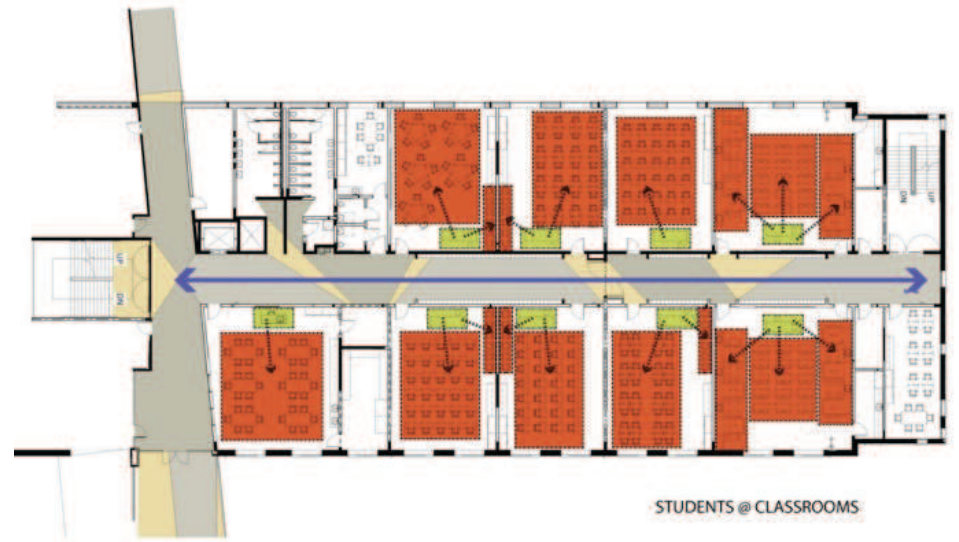
Friday, September 6, 13

156



Friday, September 6, 13

157



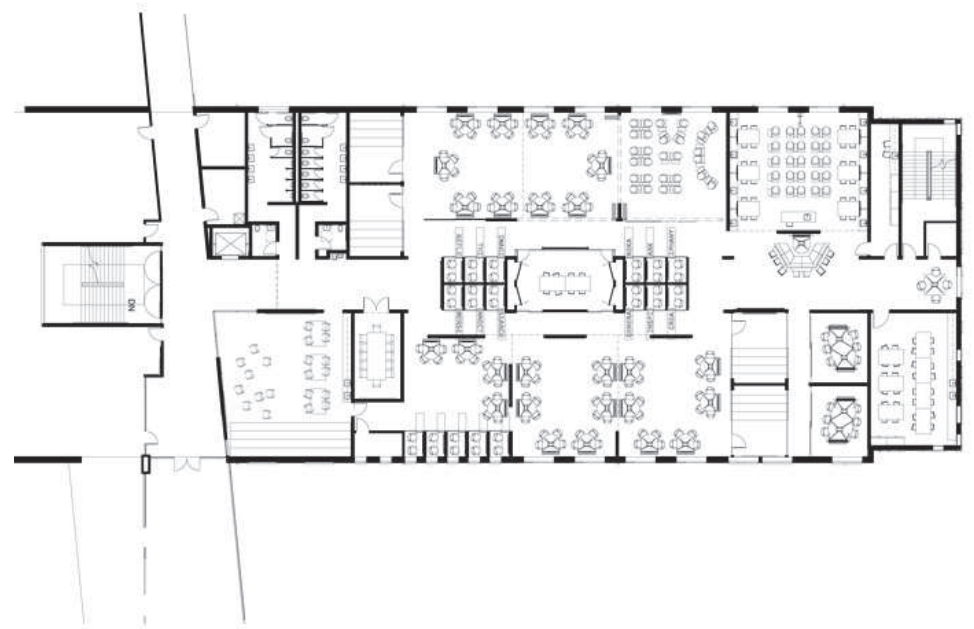
Friday, September 6, 13

158



Friday, September 6, 13

159

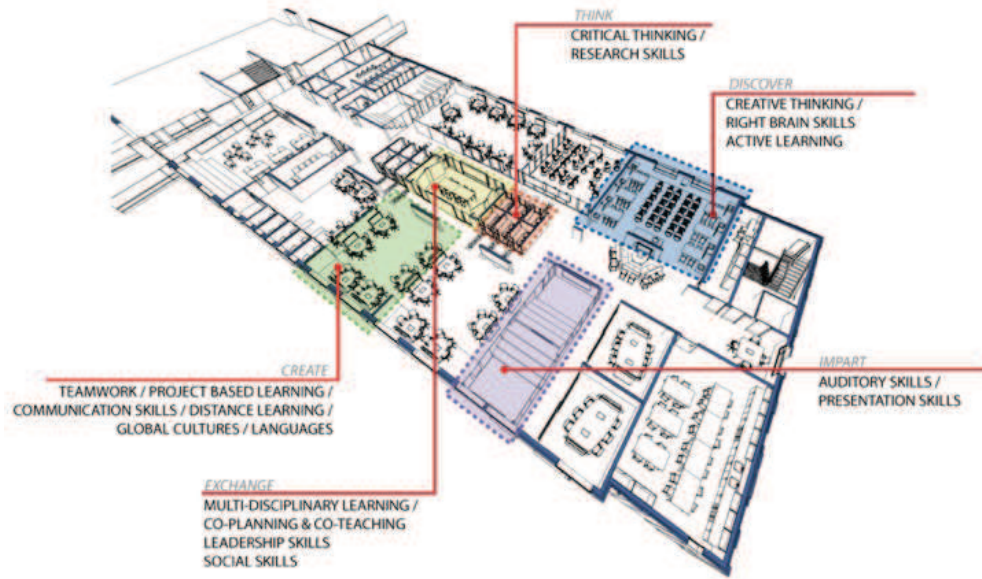


Friday, September 6, 13

160



## 21st CENTURY SKILLS IN THE IMMERSIVE LEARNINGScape



Friday, September 6, 13

### Think-Scape

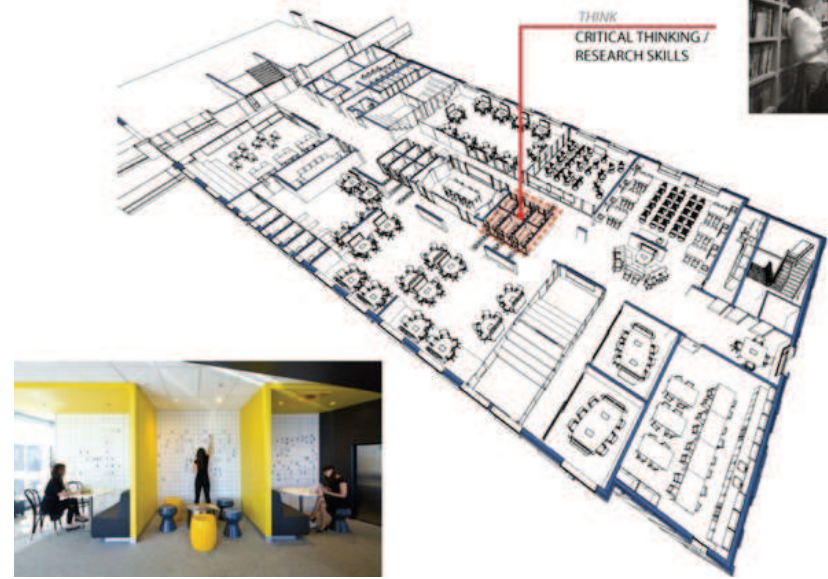


Friday, September 6, 13

161

163

## THE IMMERSIVE LEARNINGScape - THINK-SCAPE



Friday, September 6, 13

### Think-Scape



Friday, September 6, 13

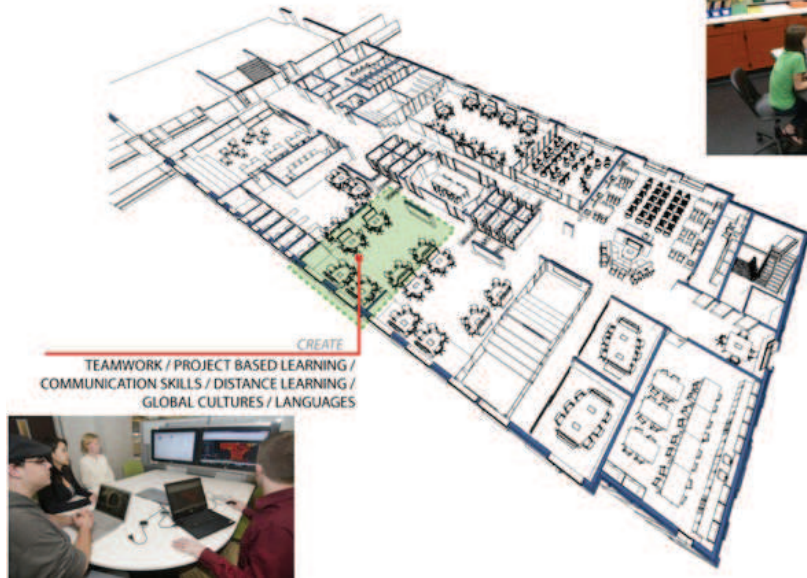
162

164

164



## THE IMMERSIVE LEARNINGScape - CREATE-SCAPE



## Create-Scape



Friday, September 6, 13

165

Friday, September 6, 13

166

166

## Create-Scape



Friday, September 6, 13

167

167

## Create-Scape



Friday, September 6, 13

168

168



## THE IMMERSIVE LEARNINGScape - DISCOVER-SCAPE

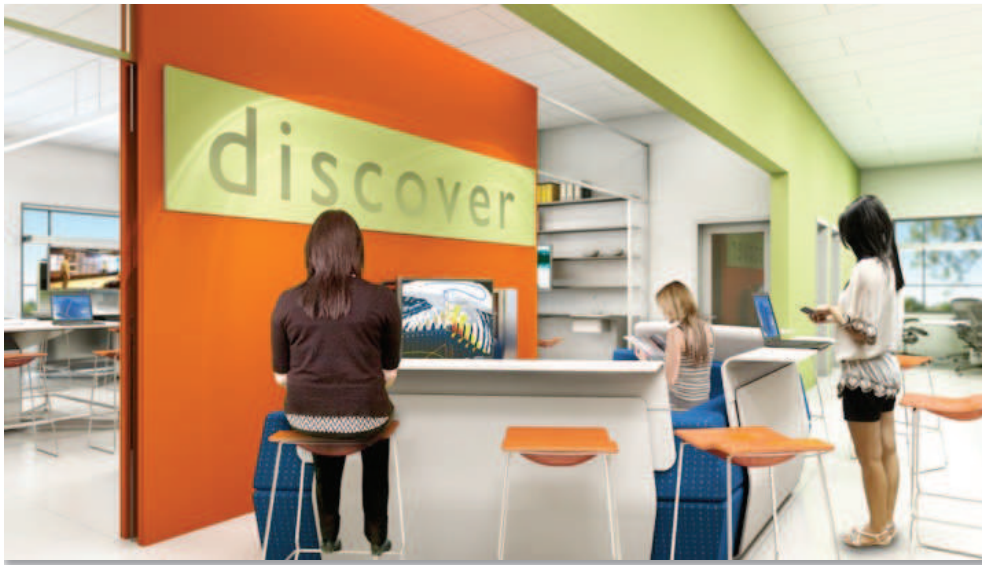


DISCOVER  
CREATIVE THINKING /  
RIGHT BRAIN SKILLS  
ACTIVE LEARNING



Friday, September 6, 13

## Discover-Scape



Friday, September 6, 13

169

171

## Discover-Scape



Friday, September 6, 13

## Discover-Scape



Friday, September 6, 13

170

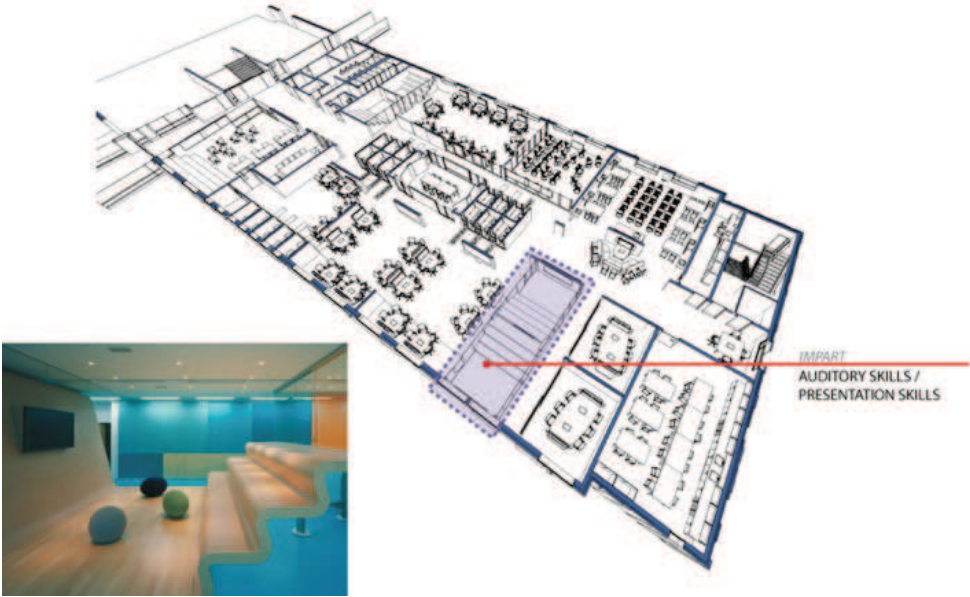
172

170

172



THE IMMERSIVE LEARNINGSCAPE - IMPART-SCAPE



Friday, September 6, 13

173

Impart-Scape



175

Friday, September 6, 13

175

Impart-Scape



174

Friday, September 6, 13

174

Impart-Scape



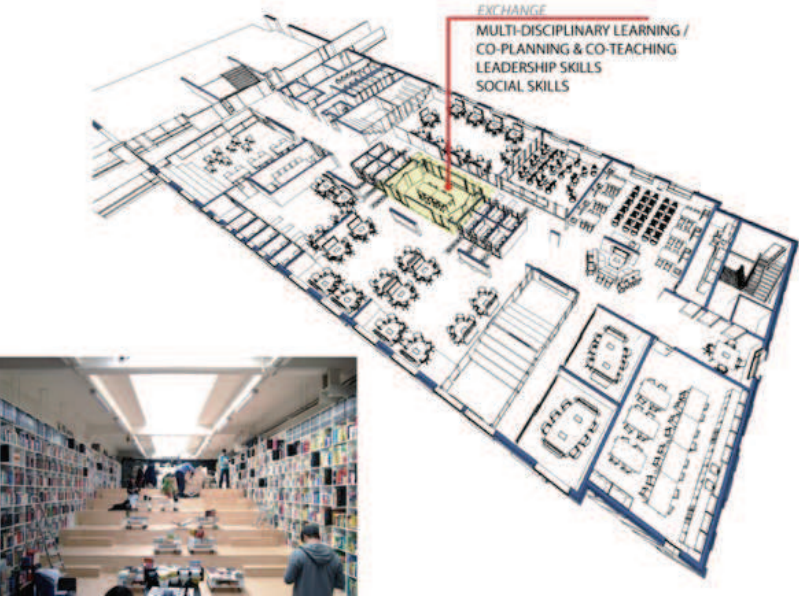
176

Friday, September 6, 13

176



THE IMMERSIVE LEARNINGScape - EXCHANGE-SCAPE



Friday, September 6, 13

Exchange-Scape



Friday, September 6, 13

177

179

Exchange-Scape



Friday, September 6, 13

Exchange-Scape



Friday, September 6, 13

178

180

178

180

Exchange-Scape



181

Friday, September 6, 13

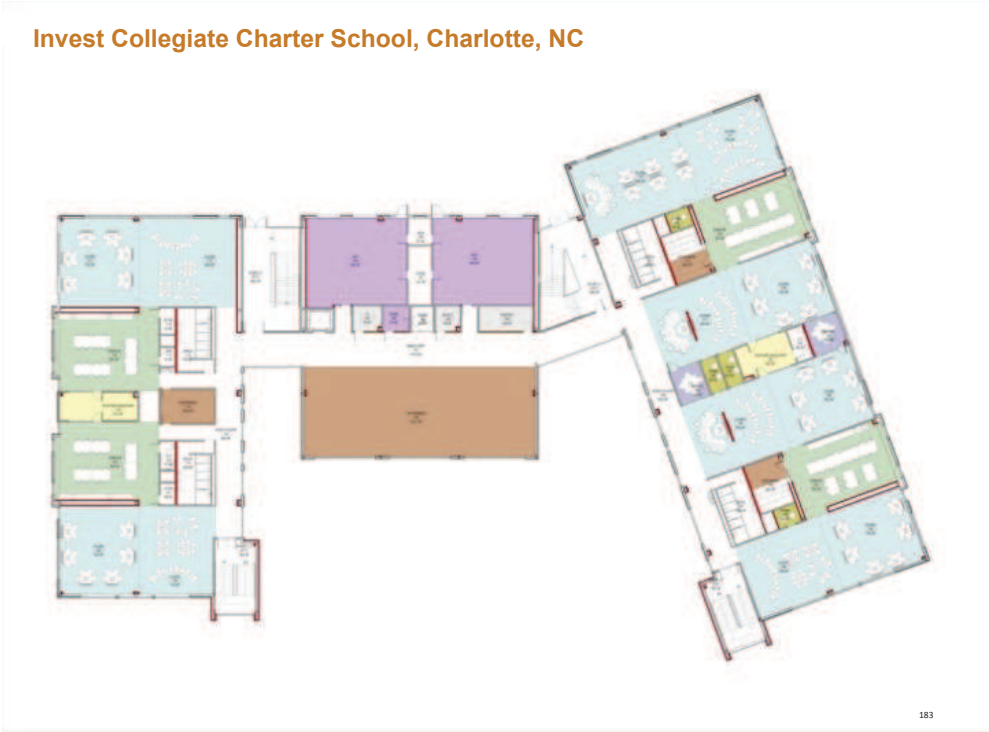
181



182

Friday, September 6, 13

Invest Collegiate Charter School, Charlotte, NC

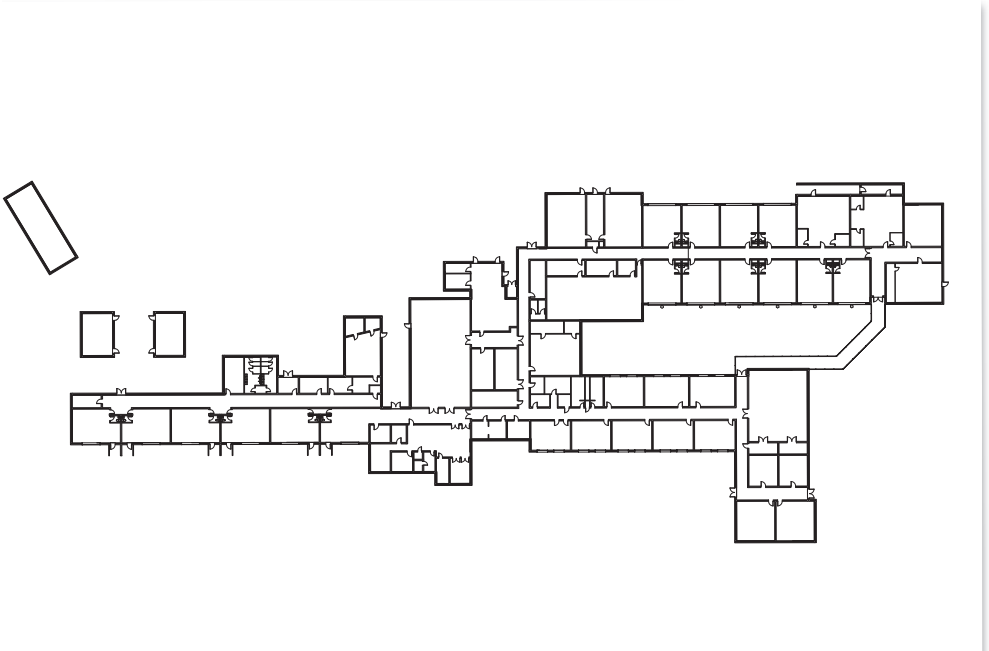


183

Friday, September 6, 13

183

Oakdale Elementary School, Rock Hill, SC



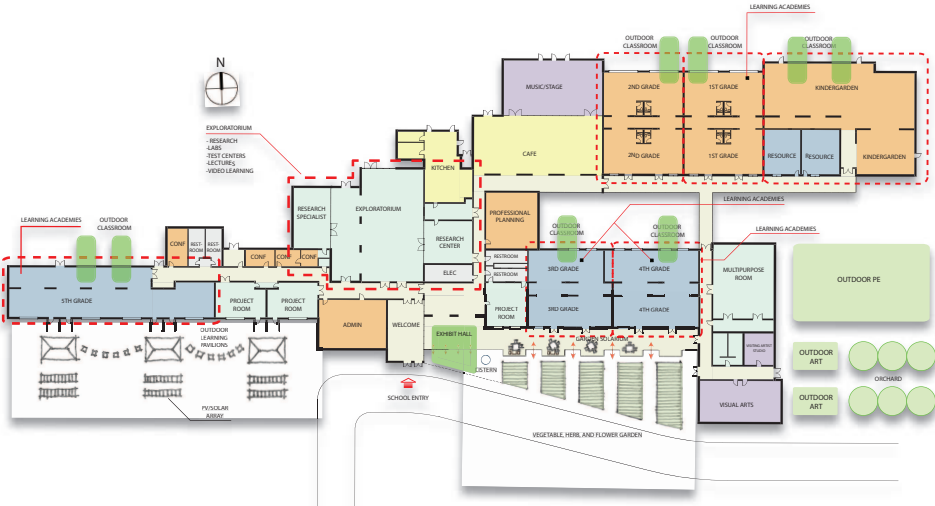
184

Friday, September 6, 13



Oakdale Elementary School, Rock Hill, SC

OAKDALE ELEMENTARY SCHOOL



Friday, September 6, 13

Fulton County Middle School Prototype, Atlanta, Ga  
New Prototype



Friday, September 6, 13

Fulton County Middle School Prototype, Atlanta, Ga  
Existing Prototype



Friday, September 6, 13

Fulton County Middle School Prototype, Atlanta, Ga  
Multi-media

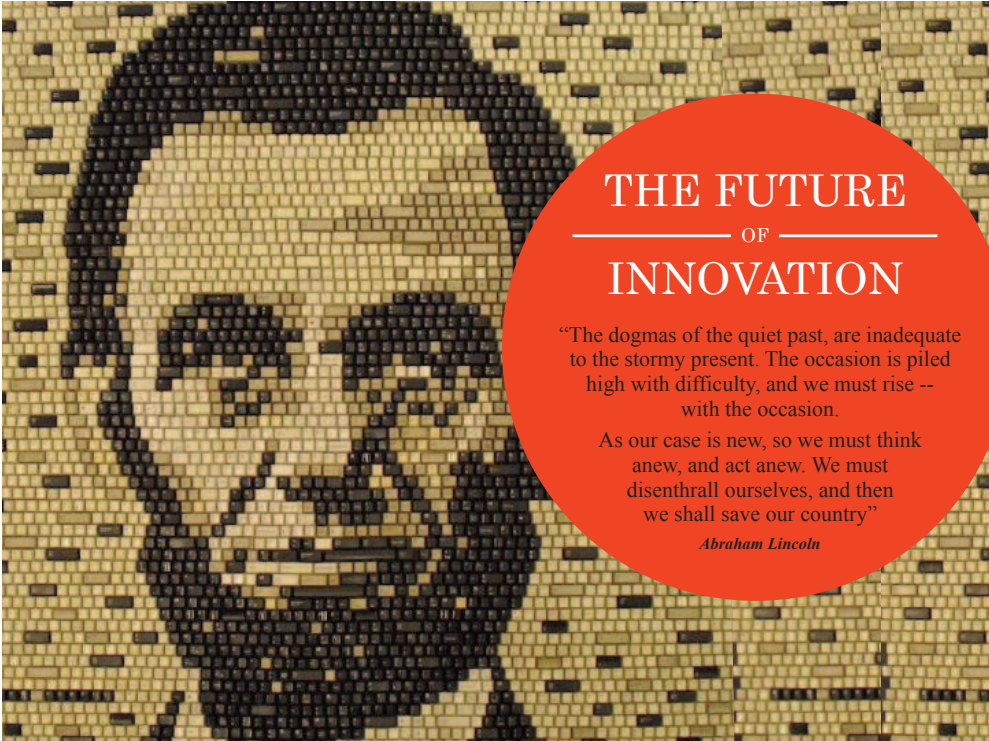


Friday, September 6, 13

Fulton County Middle School Prototype, Atlanta, Ga  
Neighborhood



Click [here](#) for the Immersive LearningScape video



Educate for Disenthralment





**PRESENTED BY**

**Tomas Jimenez-Eliaeson**

Little, Design Director  
teliaeson@littleonline.com

**Page Dettman**

Executive Director Middle Schools  
page\_dettman@sarasotacountyschools.net

**John Dougherty**

Program Director, Jacobs Engineering  
john.dougherty2@jacobs.com