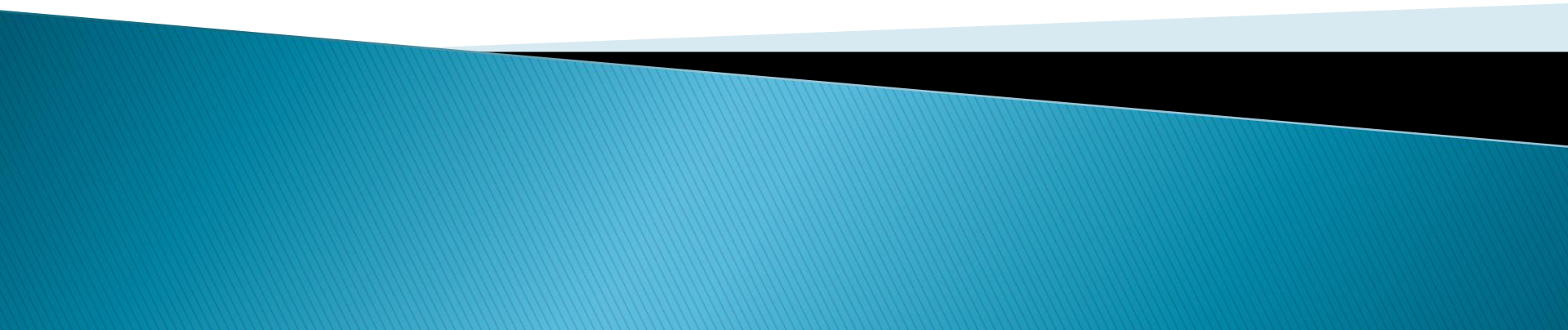


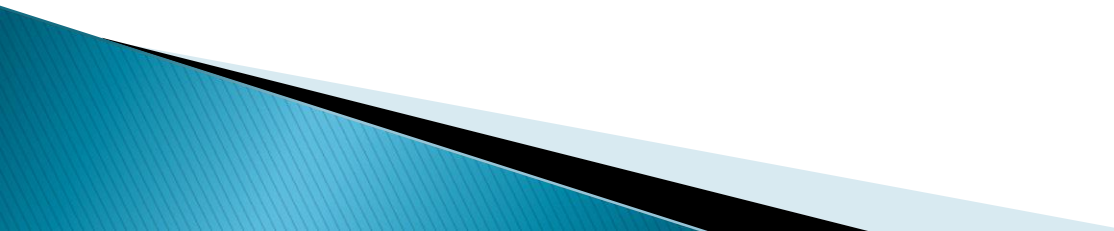
Destination Imagination for 21st Century Learning



Ideas are what power our economy. It's what sets us apart. It's what America has been all about. We have been a nation of dreamers and risk-takers; people who see what nobody else sees sooner than anybody else sees it. We do innovation better than anybody else – and that makes our economy stronger. When we invest in the best ideas before anybody else does, our business and our workers can make the best products and deliver the best services before anybody else.

– President Barack Obama, following the launch of the Brain Initiative in April, 2013

My goals:

1. Create a clear understanding of 21st Century Learning
 2. Show how Destination Imagination develops the core skills for 21st Century Learning
 3. Provide key points for presentations to educational decision makers about how DI can help improve 21st Century Learning
- 

What skills, understanding, and attitudes will students require in order to be successful after grade school?

How do we know this?

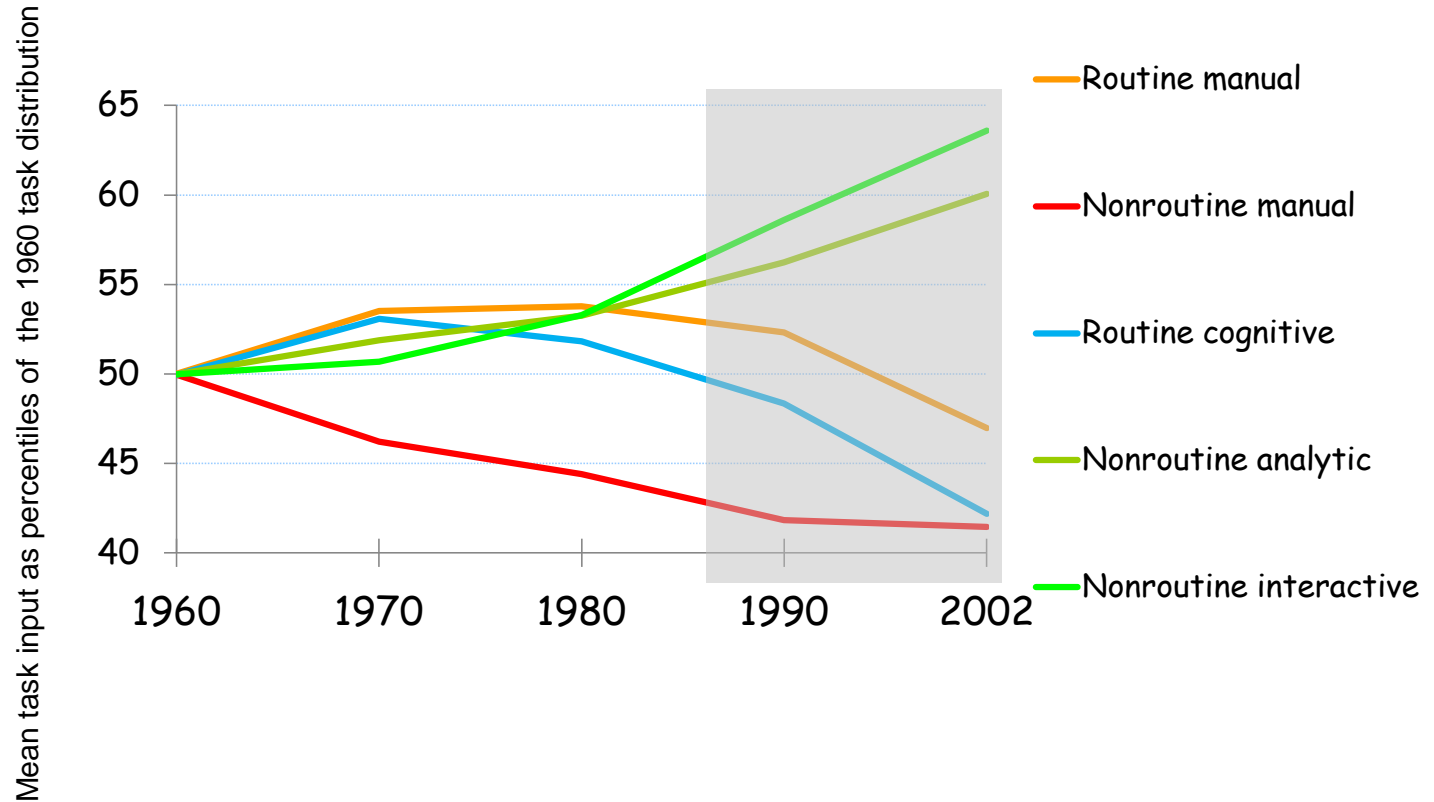


Why 21st Century Learning

- ▶ Industry
 - Demand for skills has changed

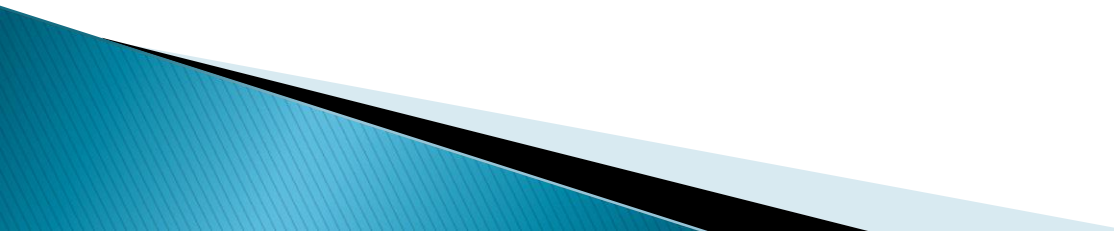
How the demand for skills has changed

Economy-wide measures of routine and non-routine task input (US)



Source: Levy and Murnane

Forbes 2013 – top 10 skills employers want

1. Ability to work in a **team**
 2. Ability to make decisions and **solve problems**
 3. Ability to **plan, organize and prioritize work**
 4. Ability to **communicate** verbally with people inside and outside an organization
 5. Ability to **obtain and process information**
 6. Ability to **analyze** quantitative data
 7. Technical knowledge related to the job
 8. Proficiency with computer software programs
 9. Ability to **create** and/or edit written reports
 10. Ability to **sell and influence others**
- 

Why 21st Century Learning

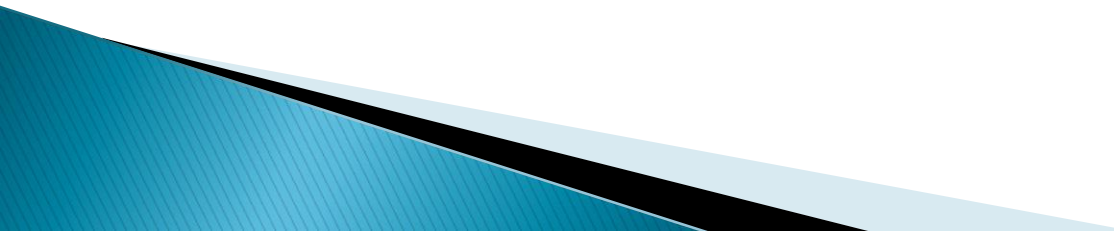
▶ Industry

- Demand for skills has changed
- Shift to the service industry
 - 80% of US jobs are in service economy
- Increase in self-employment/entrepreneurial employ


Research

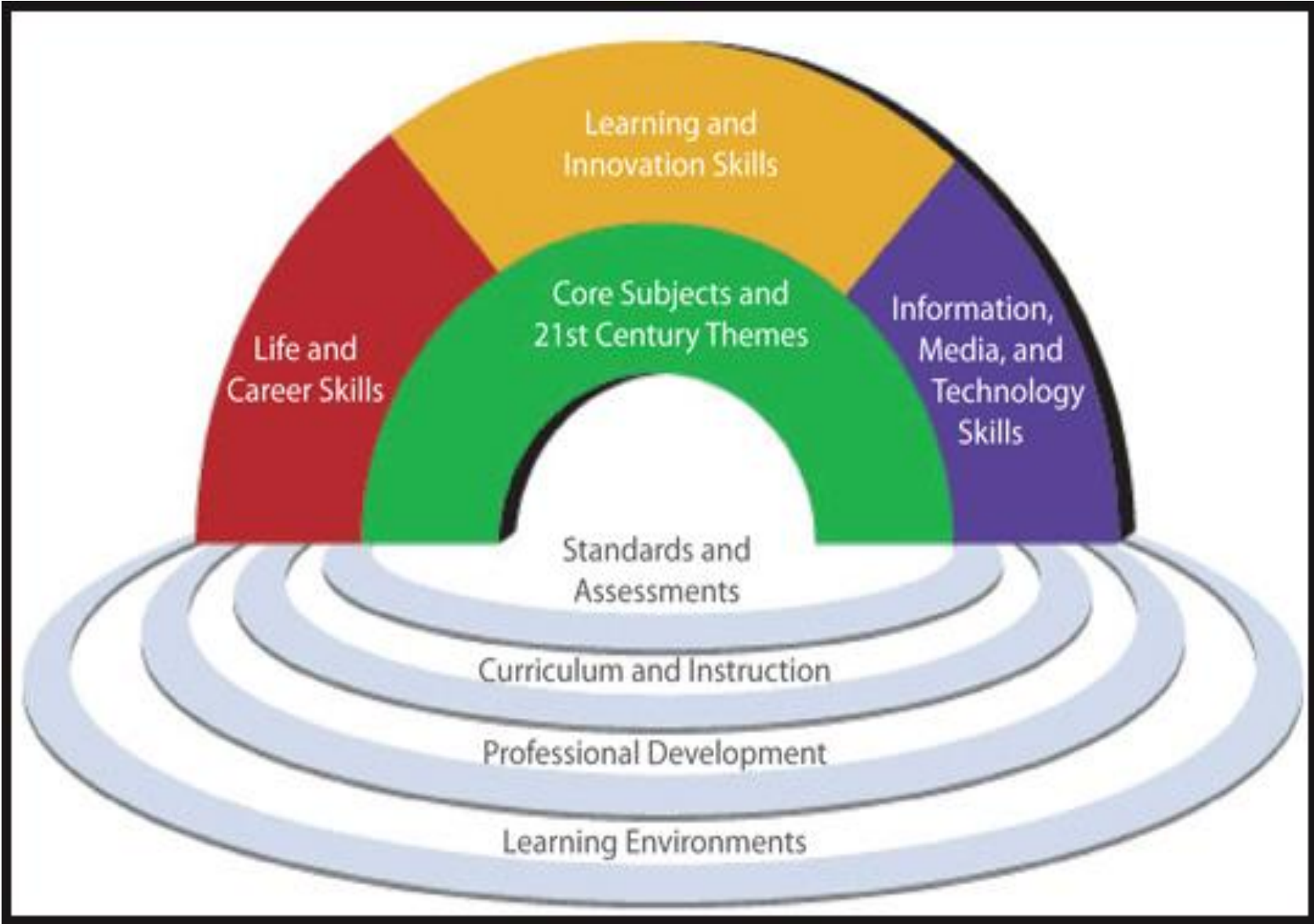
- ▶ OECD – Organization for Economic Co–operation and Development
 - Mission – to promote policies that will improve the economic and social well–being of people around the world
- ▶ Tony Wagner – *7 Survival Skills*
 - “Even our ‘best’ schools are failing to prepare students for 21st–century careers and citizenship

Tony Wagner – *7 Survival Skills*

1. Critical Thinking and Problem Solving
 2. Collaboration and Leadership
 3. Agility and Adaptability
 4. Initiative and Entrepreneurialism
 5. Effective Oral and Written Communication
 6. Accessing and Analyzing Information
 7. Curiosity and Imagination
- 

Changing Society

- ▶ Role of media shaping public opinion
 - ▶ Demands of citizenship
 - ▶ "We cannot solve our problems with the same thinking we used when we created them." – Albert Einstein
 - ▶ 'Change' has become hallmark of our culture
 - ▶ 15–20 jobs over working lives
 - ▶ Information not static or limited
 - ▶ Flattening of the world – technology fueled changes
- 

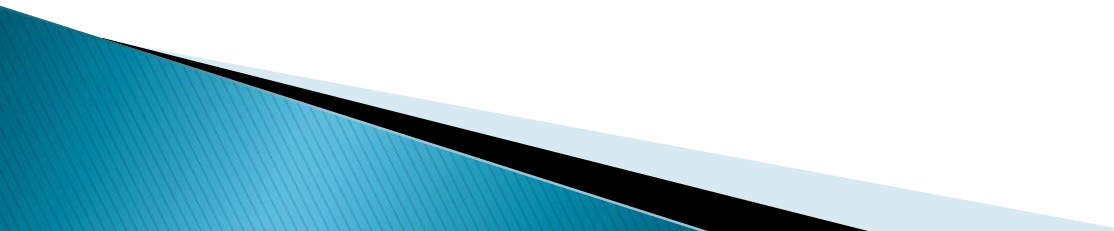


Why 21st Century Learning

▶ Industry

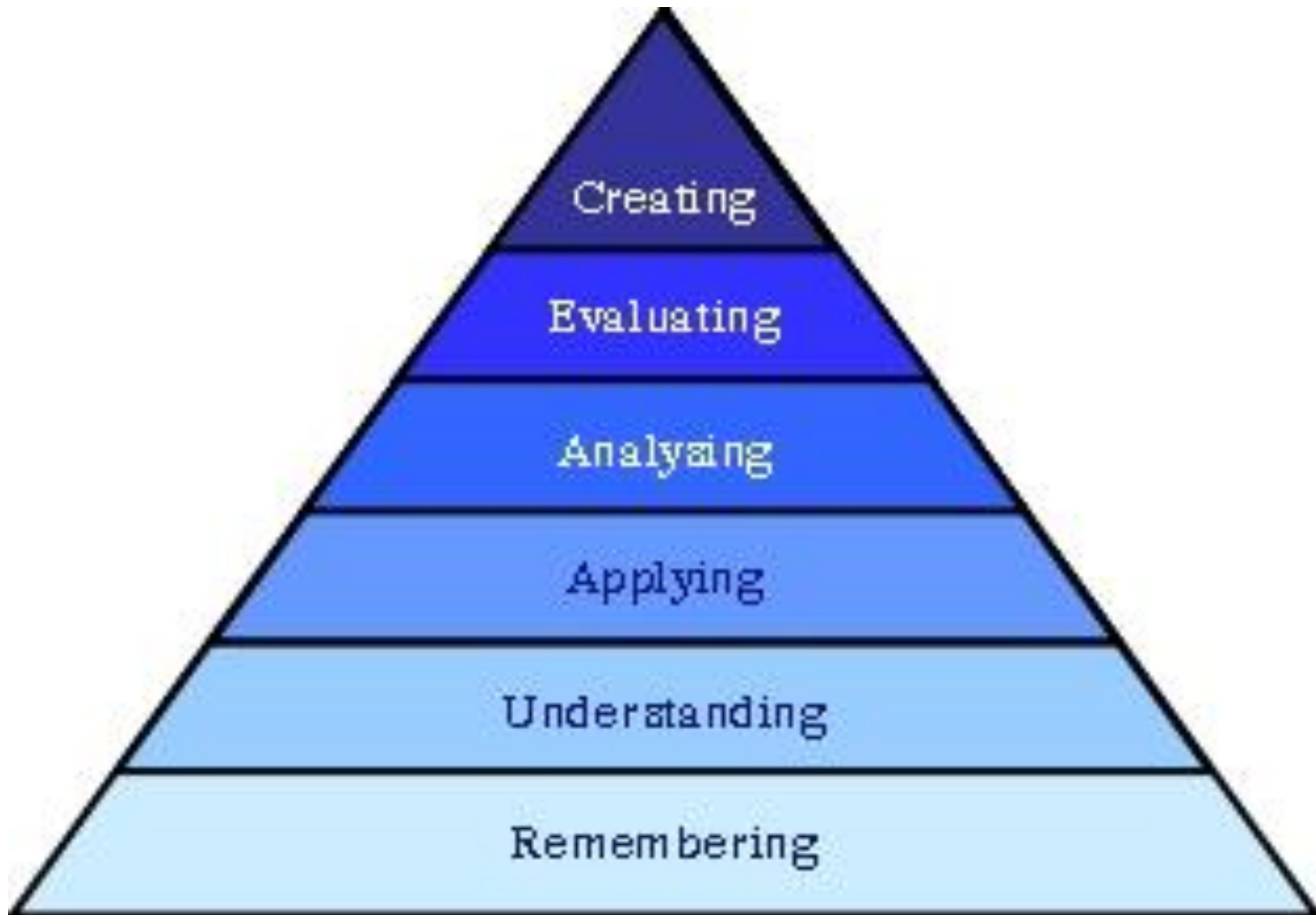
- Demand for skills has changed
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▶ Research

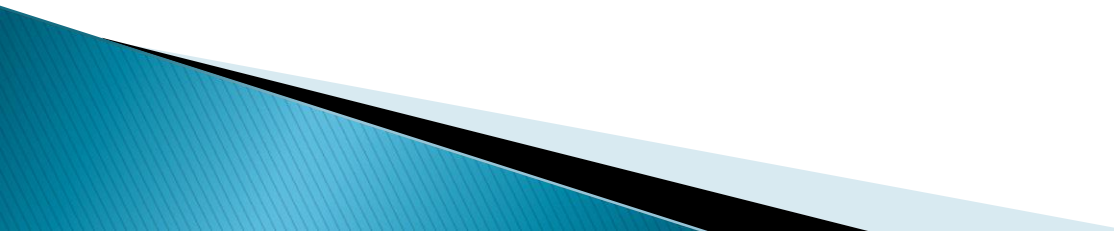
- OECD – 34 countries for economic and social health
 - Tony Wagner – Harvard Graduate School of Education
 - P21 – coalition of business, education, and policy makers
- 

Key Tenets of 21st Century Learning

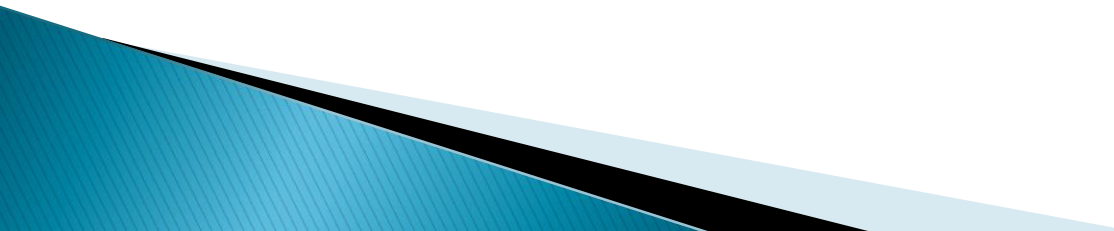
- ▶ Deeper Learning



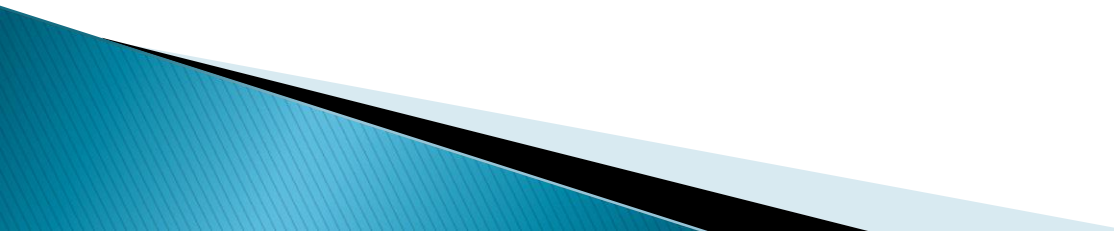
Key Tenets of 21st Century Learning

- ▶ Deeper Learning
 - ▶ Critical Thinking and Problem Solving
 - ▶ Creative Thinking and Innovation
 - ▶ Collaboration
 - ▶ Communication
 - ▶ Resilience
 - ▶ Self-direction
- 

How does this align with the lists made in groups at the beginning?

- ▶ Deeper Learning
 - ▶ Critical Thinking and Problem Solving
 - ▶ Creative Thinking and Innovation
 - ▶ Collaboration
 - ▶ Communication
 - ▶ Resilience
 - ▶ Self-direction
- 

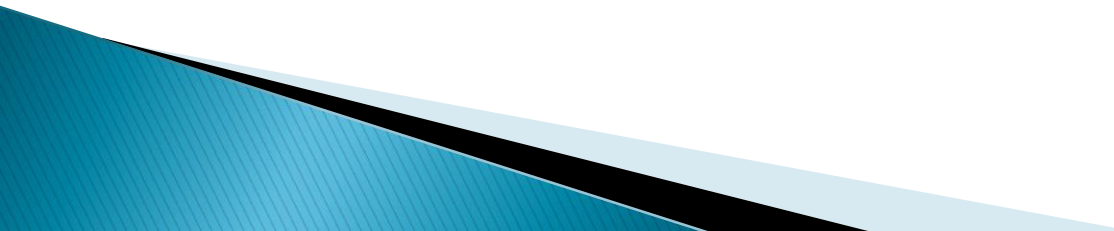
Who needs 21st Century Skills

- ▶ All youth beginning when they still know that they love to learn
 - ▶ All youth, especially the most disadvantaged
 - ▶ Diversity needs to be sought, encouraged, and developed
- 

How do we learn these skills?

- ▶ Home
 - ▶ School
 - classes
 - extra-curricular activities
 - socially
 - ▶ Community
 - activities
 - connections
- 

What skills does DI develop?

- ▶ Think about any students that you know of who have been involved in DI....what skills, attitudes, etc. have you seen developed?
 - ▶ Would these skills /attitudes have been developed elsewhere?
- 

Destination Imagination

“I’m sorry, can we just bloody well appreciate the fact that Jim Moriarty robbed the Tower of London with a few willing participants, a piece of chewed gum, a diamond, and a fire extinguisher?

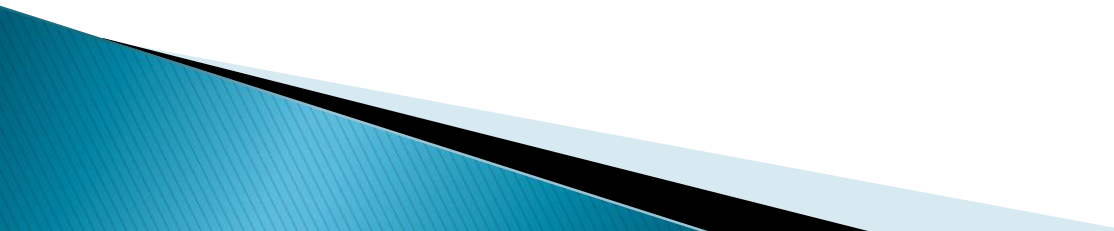
Seriously, who takes those items and thinks: Yeah, I can rob a bank with this.

Jim Moriarty, that’s who. It’s like frickin’ Destination Imagination up in there.”

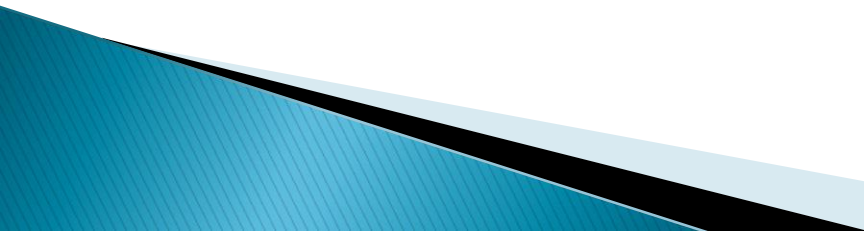
From the Facebook Fandom for *Sherlock*



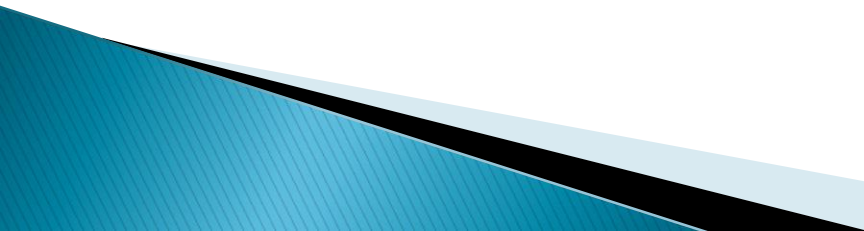
Team Challenge Program

- Journey
 - Critical Thinking
 - Creative Thinking
 - Collaboration
 - Communication
 - Innovation
 - Problem Solving
 - Project Management
 - Resilience
 - International learning
- 

Team Challenge Program

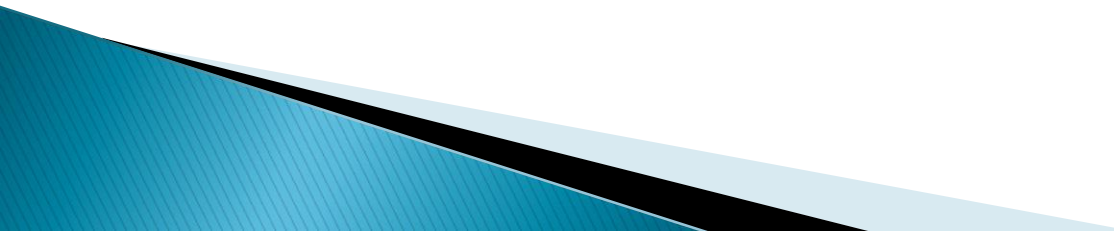
- ▶ Teams of up to 7 members
 - ▶ 6 different types of team challenges
 - Structural
 - Technical
 - Scientific
 - Fine Arts
 - Improvisation
 - Project Outreach
 - ▶ September → Tournament Season
 - ▶ Team Challenge – Instant Challenge
- 

Structural Challenge

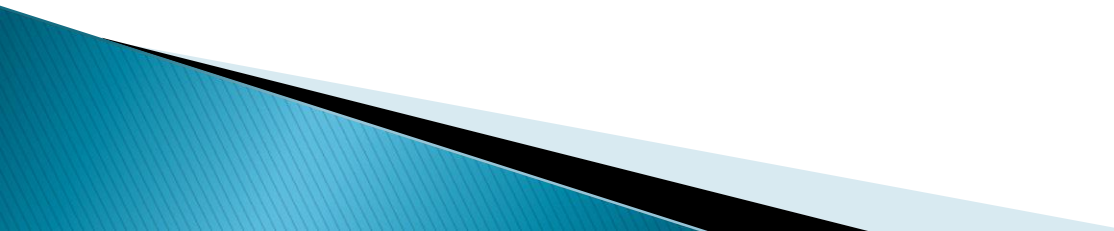
- ▶ Build a structure that will be tested against two forces at the same time.
 - ▶ Design a prop that will be assembled during your presentation. The prop's parts must fit completely inside a measured space.
 - ▶ Create a story in which tension is a threat to stability and is overcome in some way.
 - ▶ Create and present two Team Choice Elements that show off the team's interests, skills, areas of strength, and talents.
- 

Tie DI

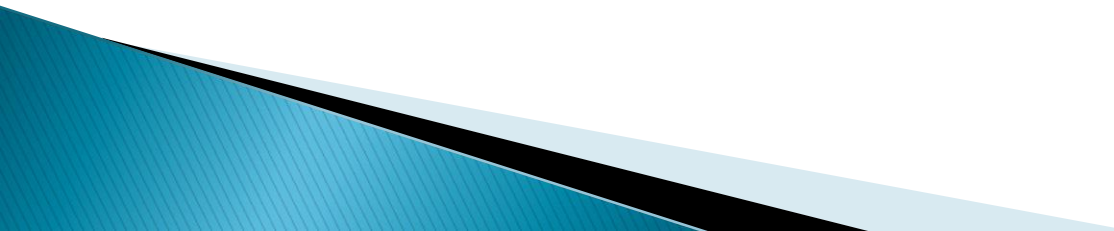
Provincial Tournament



Instant Challenges

- ▶ teams
 - ▶ given a challenge with finite time and resources
 - structural
 - performance
 - communication
 - hybrid
 - ▶ compare their solution with others
 - networked learning
 - self-reflection
 - ▶ fast – easy – resources a challenge – be creative
- 

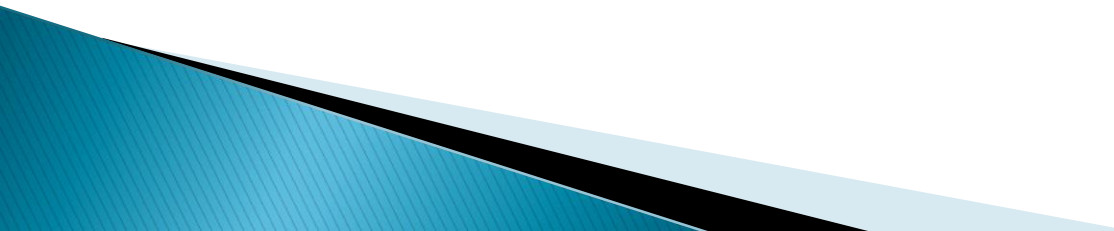
In the classroom

- Instant Challenges
 - Team Challenges
 - Curricula links
 - Assessment tools
- 

	Home	School	Community	Destination Imagination
Deep Learning				
Critical Thinking and Problem Solving				
Creative Thinking and Innovation				
Collaboration				
Communication				
Project Management				
Resilience				

Testimonials – ideal

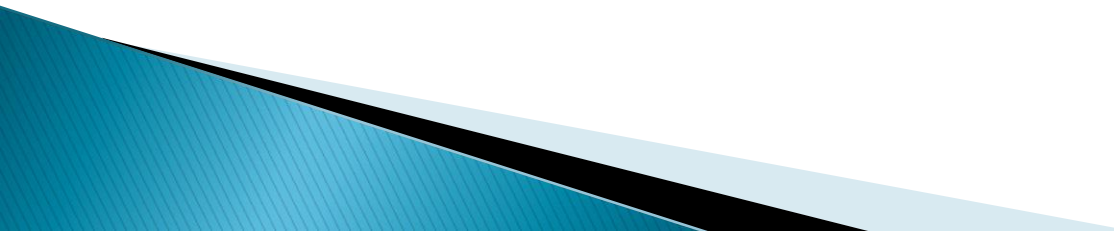
This team has heart. They worked extremely hard. They set the bar high. They learned to work well together (even though they were a diverse bunch of skills and personalities, and many new to one another). They came to really care about each other. They were constantly thinking about, and working toward, improvement. Their growth was clear in their Team Challenge. I am so incredibly proud of them. – Heather Corman, Manager (Structural Challenge 2014)





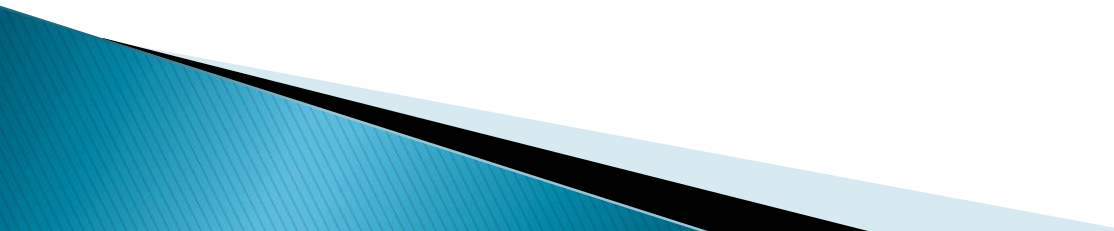
Testimonials – teamwork

Destination Imagination was the first time I ever had to work in a real team environment. It was a different dynamic than any schoolwork had ever achieved for me. A very large part of this was that the students on the team were independently approached and asked if they wanted to participate. Working with and incorporating the opinions of a team not of my choosing was an extremely valuable experience, especially having moved on to pursue a degree in Engineering (an environment rife with pre-composed teams). – Evan McMillan (Technical Challenge, 2010)



Testimonials – for everyone

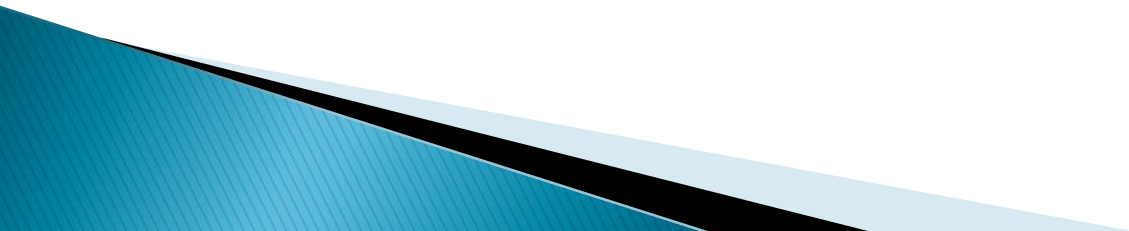
THANK-YOU!! I am so thankful I got the chance to meet you last year when you visited our library...as all of our children have learning disabilities at our school; DI has just been the biggest boost to their self-confidence and enjoyment of school. These kids have finally found somewhere where they can shine, and that is all thanks to you and DI :) – Trish Summers (Technical Challenge 2014)



Testimonials – engagement

I gave Chantal the resource last week after her interest peaked, and riding high on her weekend, she prepped an instant challenge lesson for this afternoon to get her feet wet with teaching DI in the classroom. She loved it, and so did the kids. She mentioned to me that this was the MOST engaged she has seen her students to date, and one of her most powerful lessons in the classroom. She has been struggling with having her kids work together in groups, and they switched gears when they collectively had to solve a problem. She said the feedback they gave her after the lesson was so powerful, about how working together and listening to everyone's ideas helped them solve the challenge. This is a multi age K, 1, 2, 3 class, and she was so proud, she sent photos. – Jen Turner re: Classroom Edition 2014

Take any curricular models that recognize the evolving nature of the world and it will align with what DI offers.



Thank you!

- ▶ Questions?
- ▶ Contact Information:

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Blog: Why Not? (<http://whynot-gfussell.blogspot.ca/>)