Innovative Teaching and Learning Tools for Foundation in Engineering Education

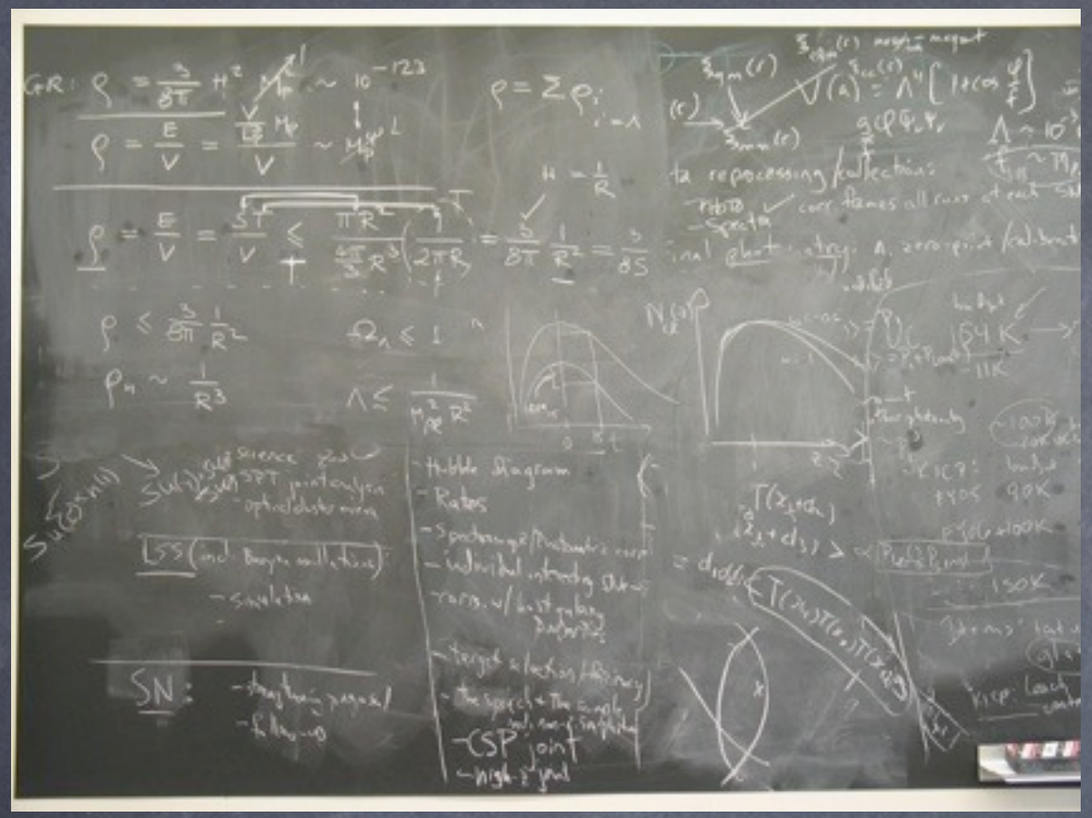
Christopher M. K. Chew & F. L. Ooi

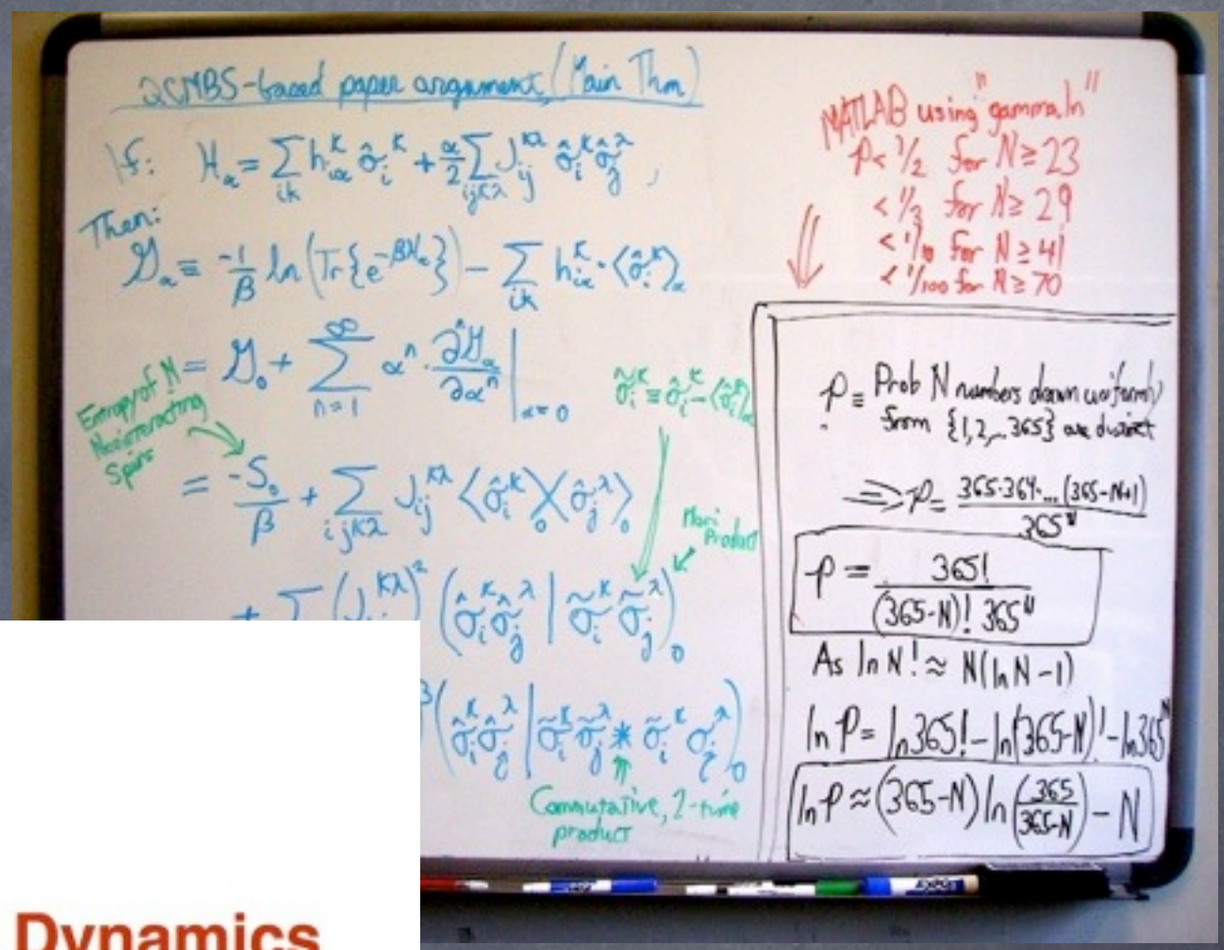
Yangon
Thailand
Bangkok
Vietnam
Cambodia
Phnom Penh
Ho Chi Minh City
Andaman Sea
Gulf of Thailand
Paracel Islands
South China Sea
Spratly Islands
Luzon
Manila
Mindoro Island
Philippines
Samar Island
Samar
Panay
Negros
Palawan
Sulu Sea
Mindanao
Davao
Perlis
Kedah
Ipoh
Malaysia
Shah Alam
Johor
Singapore
Nanggroe Aceh Darussalam
Medan
North Sumatra
Riau
Padang
Jambi
Palembang
Bengkulu
South Sumatra
Bangka-Belitung Islands
Lampung
Jakarta
Banten
Bandung
Semarang
Surabaya
Klaten
Java Sea
Kepulauan Riau
Federal Territory of Labuan
Sabah
Brunei
Malaysia
Kuching
East Kalimantan
West Kalimantan
Balikpapan
South Kalimantan
Celebes Sea
Manado
North Maluku
Gorontalo
North Sulawesi
Central Sulawesi
West Sulawesi
South Sulawesi
Maluku
Indonesia
Makassar
Banda Sea

RACING TEA
11
2
KOSO
RACING BOY
SEL

Tuesday, July 23, 13

Properties of Matter
Heating - Cooling
Properties of Water?
Words
Thoughts
Actions



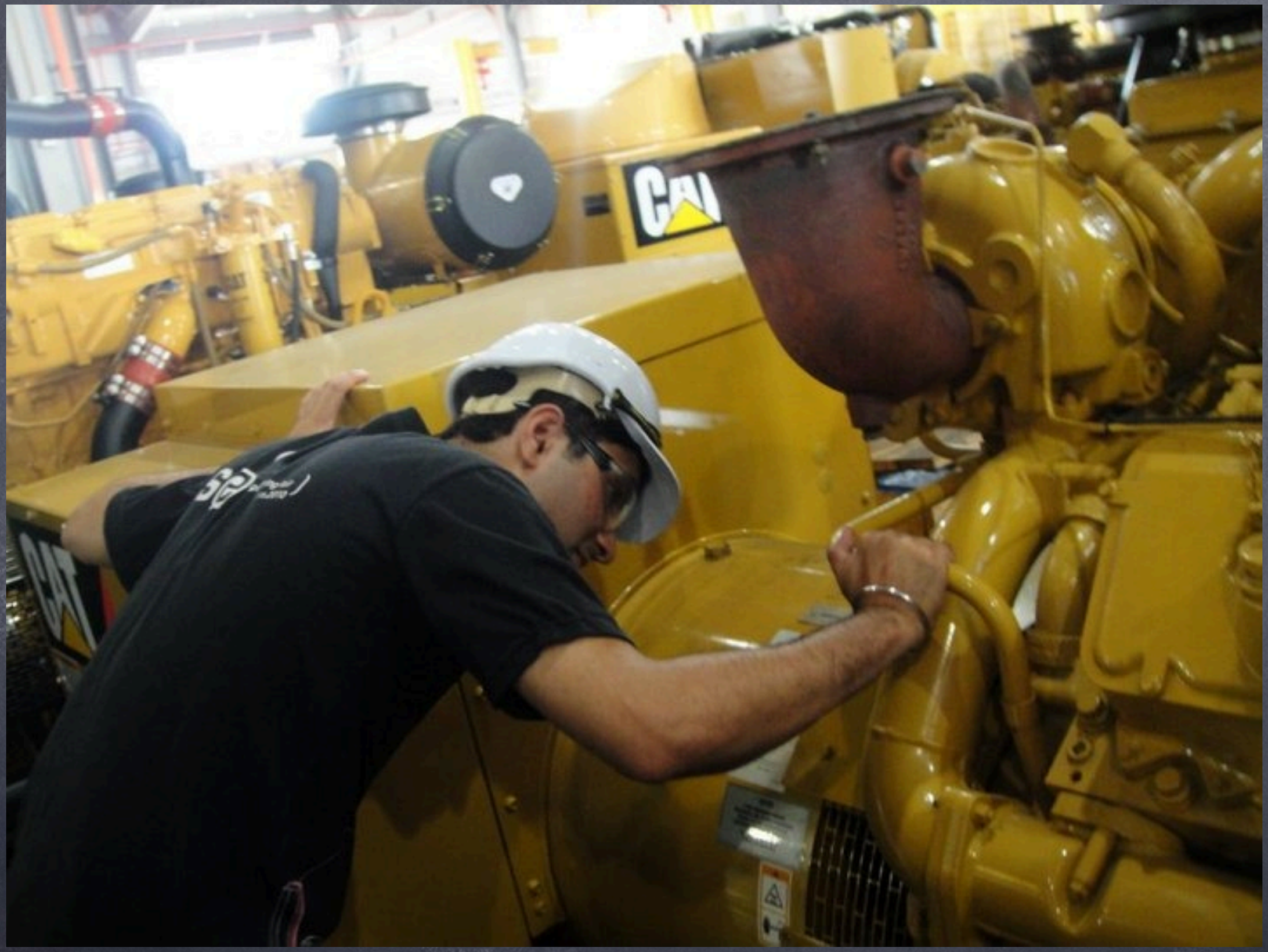


CPC L4

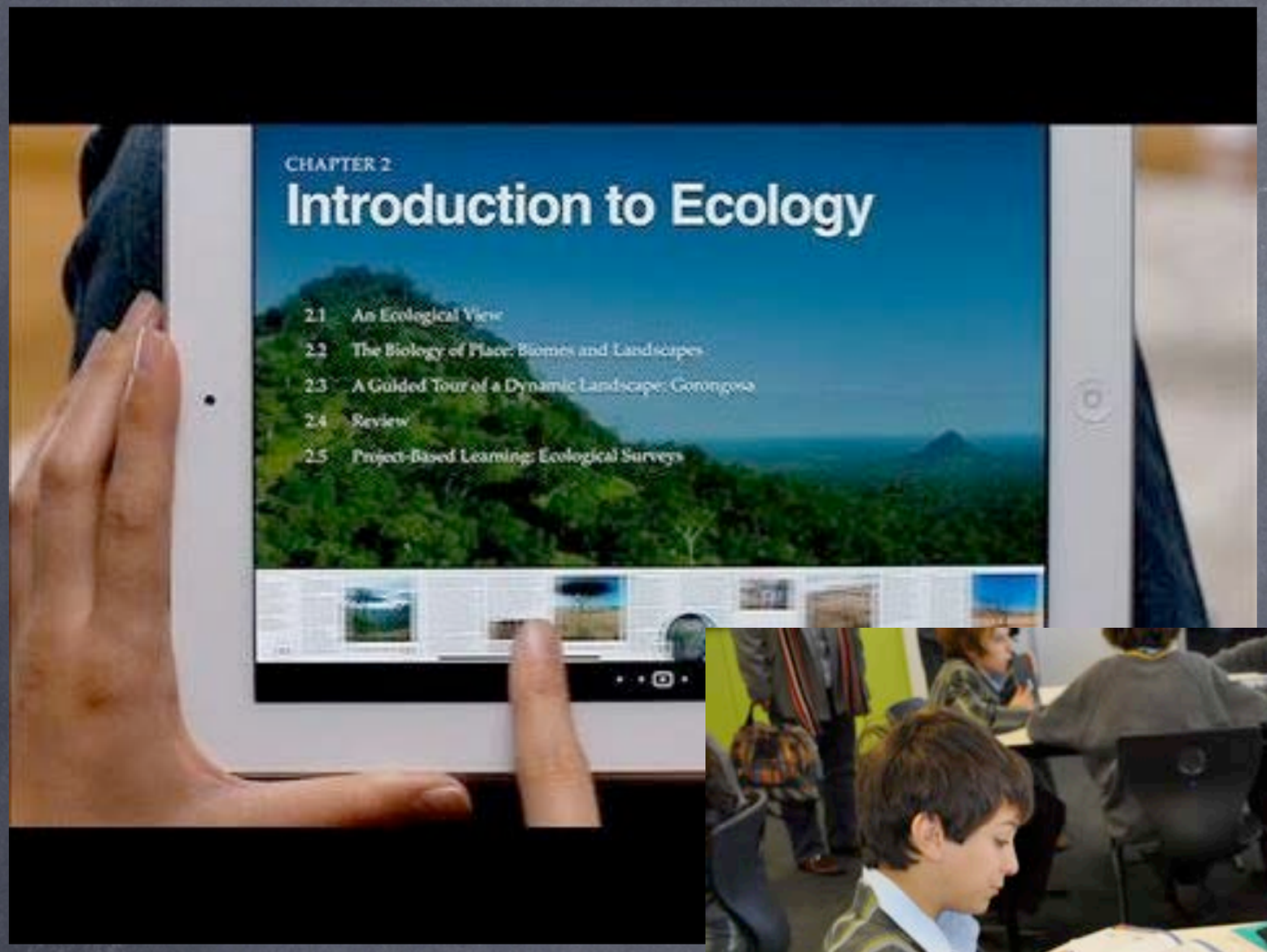
Analysis of System Dynamics Inputs (Seborg chapter 5)

By
Marwan M. Shamel

1



BUSINESS PLAN
CHALLENGE FINALS
10th May 2013
Winner
RM6,000 worth of Entrepreneur
Development Programme and
Business Consultation*
DO YOU HAVE A
GOOD BUSINESS
IDEA?
CEDAR


CHAPTER 2
Introduction to Ecology
2.1 An Ecological View
2.2 The Biology of Place: Biomes and Landscapes
2.3 A Guided Tour of a Dynamic Landscape: Gorongosa
2.4 Review
2.5 Project-Based Learning: Ecological Surveys

Demo

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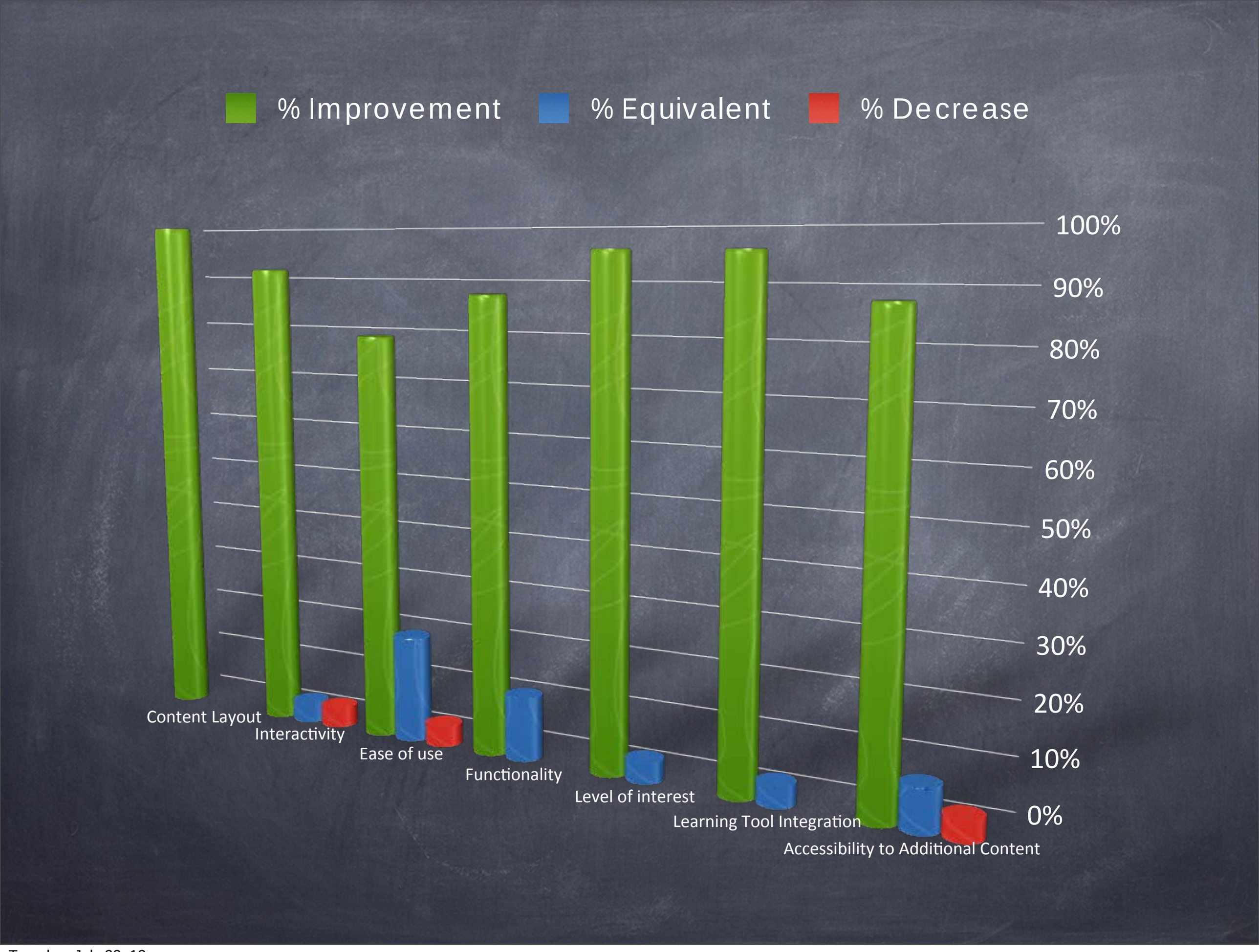
% Improvement
% Equivalent
% Decrease
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Content Layout
Interactivity
Ease of use
Functionality
Level of interest
Learning Tool Integration
Accessibility to Additional Content

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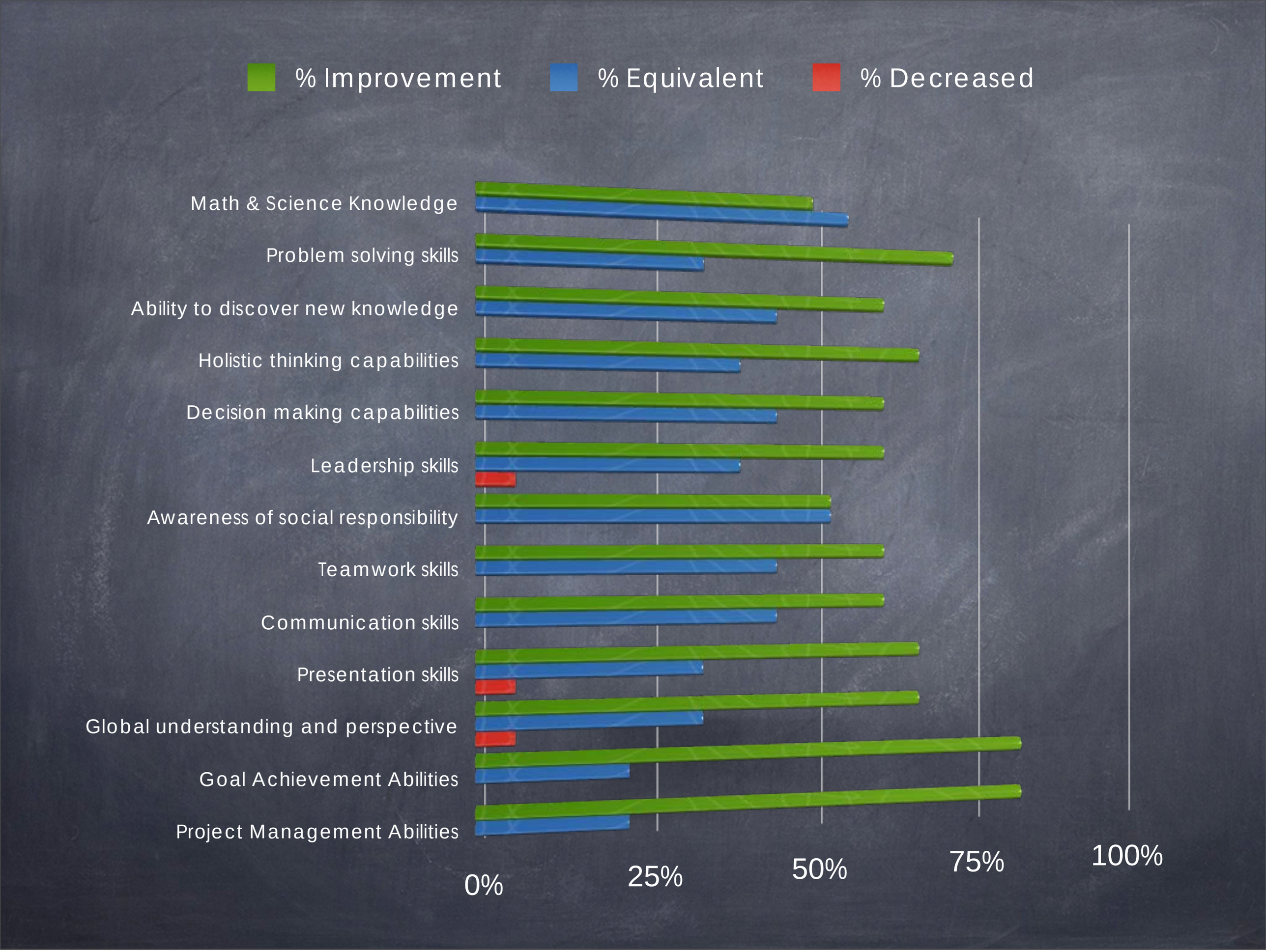
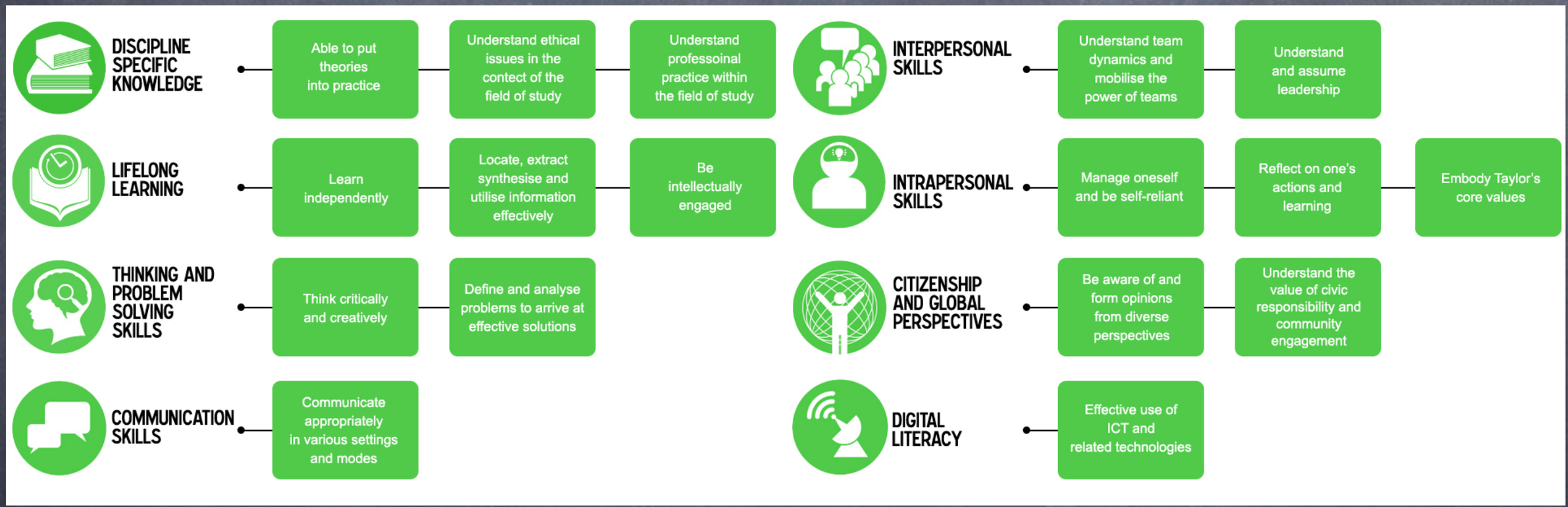
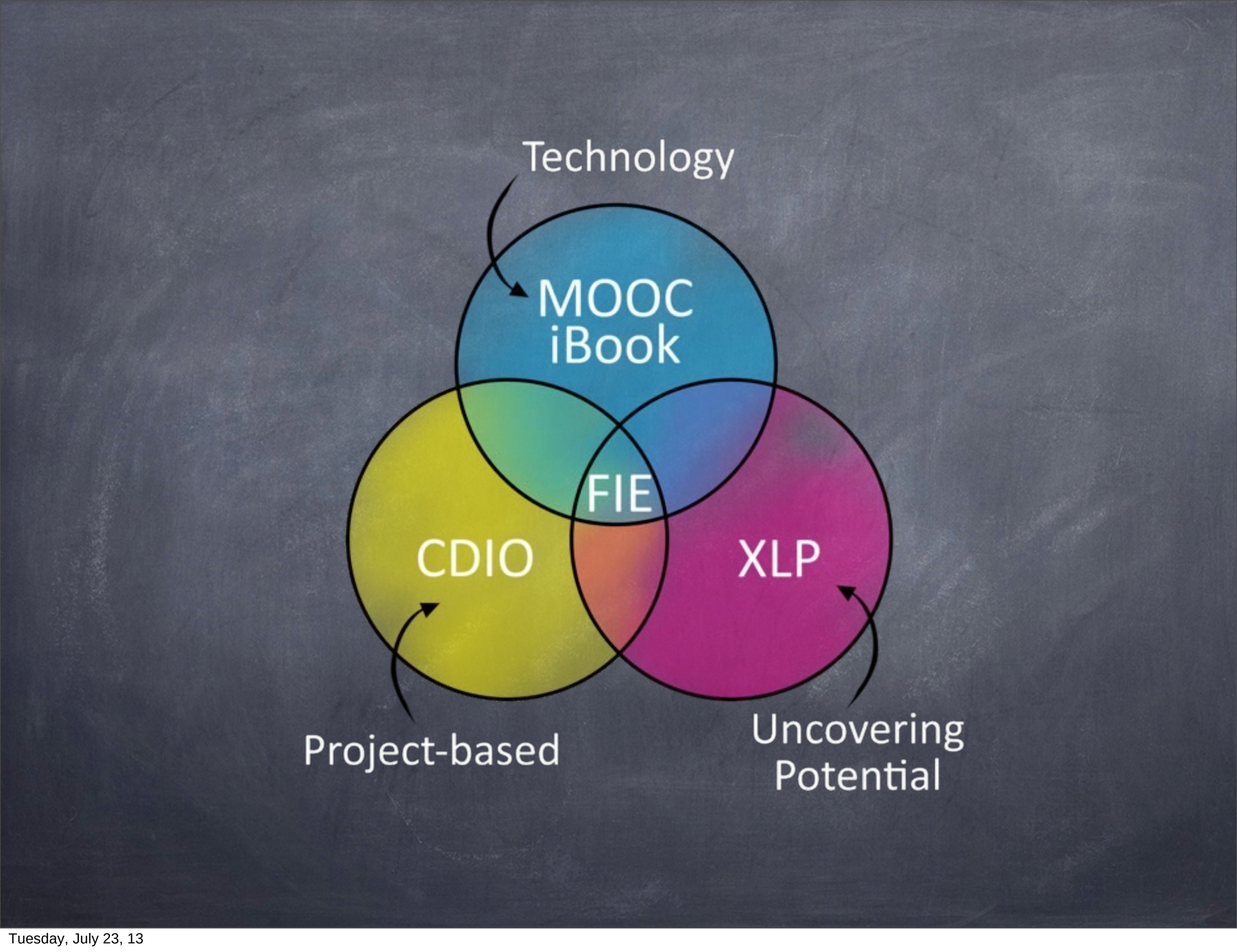

% Improvement
% Equivalent
% Decreased
Math & Science Knowledge
Problem solving skills
Ability to discover new knowledge
Holistic thinking capabilities
Decision making capabilities
Leadership skills
Awareness of social responsibility
Teamwork skills
Communication skills
Presentation skills
Global understanding and perspective
Goal Achievement Abilities
Project Management Abilities
0%
25%
50%
75%
100%

Taylor's Graduate Capabilities




Technology
MOOC
iBook
FIE
CDIO
XLP
Project-based
Uncovering
Potential

Thank you!

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