

Strategic Education Initiatives

MIT Office of Digital Learning

September 2014

Strategic Education Initiatives, Office of Digital Learning

- **SEI nurtures and manages education experiments** (projects) driven by MIT's and ODL's strategic priorities and mission.
- SEI works with national and international partners to advance the field of digital learning.
 - universities, foundations and trusts, non-governmental organizations and countries

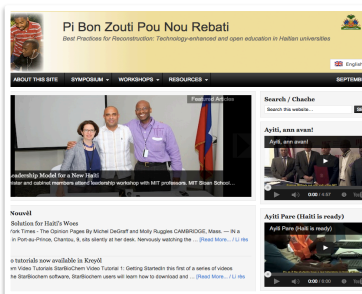
Connecting within ODL and MIT

- SEI partners with MIT faculty, students, staff and alumni.
 - Collaborations between ODL and across MIT
 - Leverage what's going on across MIT
- SEI's work builds upon MIT's digital learning assets.
 - MITx, MIT OpenCourseWare, MIT pedagogical approaches and other educational tools and services developed by MIT faculty and ODL



Projects

Universities



- MIT-Haiti, STEM in Kreyòl
- Leveraging MITx courses at other universities
- Course and curriculum design

Community Colleges

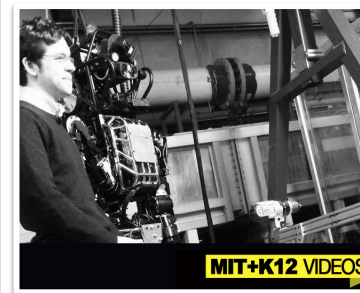
INTRODUCTION TO PROBLEM SOLVING SKILLS

What is Problem Solving and Why is it Important?

The ability to solve problems is a basic life skill and is essential to our day-to-day lives, at home, at school, and at work. We solve problems every day without really thinking about how we solve them. For example, it's raining outside and you need to go to the store. What do you do? There are many possible solutions. You can take your umbrella and walk. Or don't walk, take your car. Take the bus. Call a friend for a ride. Or maybe just go to the store another day. There is no one right way to solve this problem, and different people will solve it differently.

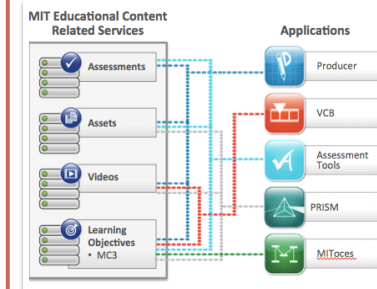
- Curriculum design
- Linking courses / competencies / labor market information (jobs)

K-12



- K-12 Videos
- “MIT” learning experiences in Grades 8-12
- Teacher education programs

Next Gen Technology



- “Backstage”
- Learning objectives & concepts
- Assessment authoring and management

Who is SEI

- Vijay Kumar, Director
- Elizabeth Choe
- Mary Curtin
- Kirky DeLong
- Judy Leonard
- Jeff Merriman
- Brandon Muramatsu
- Cole Shaw