Title	World Problem Activity		
Description	Training pre-employment individuals for joining the workforce with needed life-skills		
LEARNING	Life- long learner skills		
OUTCOMES / OBJECTIVES	Join the work force with a positive attitude and engineering mind-set.		
Weekly Schedule	4 weeks; 5 days/week; 7 hours/day = 140 hours		
Course Rubrics	Standards, learning targets		
	Three areas of learning targets		
	Knowledge Content		
	 Skills Processes, trainability assessment 		
	 Reasoning Thinking skills, character development 		
Course	Students will develop skills to be part of a work-		
Expectations	force with a positive attitude of seeing problems		
	as opportunities creating a joyful work		
M/Is a C. Is a superila	environment		
What Is a work force centric	Seeing the work environment as a place to		
culture?	learn		
outure:	 Grow professional as if you're in your own business 		
Classes			
Week 1	Day	Learning	
latus de la Care / Os como	1	Intro, Ice breakers, My	
Introduction/ Course objectives		likes(what interests me)	
	2	Building a team, culture, values	
Problems as	3	Role playing, Improv	
opportunities	4	Mapping our learning, mindset	
	5	Connect to a work organization	
Week 2	Day	Learning	
Study project:	1	Work place problem to solve	
Trip to the mall	2	Research problem	

Project Academy

Work Force-Syllabus			
to observe retail	3 Field trip		
work force	4 Problem activity		
Oalaatian a mushlam	5 Problem solving		
Selecting a problem, Team rules	Discussion web tools; problem solving		
TodiliTaics	Process		
	Collaboration 6 hats		
	Engr. Is everywhere		
Week 3	Day	Learning	
Study project:	1	Testing, Reflection	
	2	Elevator pitch	
Trip to the	3	Field trip	
Waltham manuf.	4	Branding	
Museum	5	Work environment, customer,	
		processes, metrics	
Week 4			
	Day	Learning	
Trip to the	1	Work environment, planning	
Framingham	2	Social & Emotional learning	
hospital	3	Field trip	
	4	Character development	
	5	Celebration Presentation	

Take away

- Acquire self-awareness and apply self-management skills to achieve personal well-being and effectiveness
- Act with integrity and make responsible decisions that uphold moral principles
- Acquire social awareness and apply interpersonal skills to build and maintain positive relationships based on mutual respect
- Be resilient and have the ability to turn challenges into opportunities

Project Academy

	rce-Syllabus	-	-
Module	Description	Learning Objectives Students will be able to	Behavioral Goals
Introduction	Students will form groups and do an ice-breaker exercise & discuss what they learned & observed	Understand goals of the course Begin to see the benefits of working together	Students will demonstrate a positive attitude about teamwork
Team format	Though a series of activities students will develop a team charter and learn various life-skills for working together Teams will compete in various games & Improv activities.	 Understand to similarities of a learning team to a sports team Relate the team to a community organization 	Students will be able to work together and deal with issues in a positive manner Interpersonal skills will be practiced
Problem selection	Discussion of community, school & world issues to work on as teams	Setting ground rules for the task	Begin the understanding of the Engineering mind-set
Problem solving	Students learn the problem- solving process and implement it working as a team. Skills are practiced doing this activity	 Students use on-learning learning tutorials. Students can understand thinking skills, problem solving and decision making 	 Students will understand that all problems as opportunities Students will see learning as a fun activity
Testing	Questioning and finding feedback on the teams work. Listening to the community	Ability to use feedback and iterate to find details of what has been accomplished	 Learning that failure is a method to get better at what you are doing Be able to communicate with others to gather feedback
Public Reporting	Prepare results of this activity through creating documents & charts about what has be learned	Gather thoughts and share results with the community organizations	 Learning to develop conclusions of the teams activity and create what's next for the project Students will demonstrate the use of life-skills moving forward
Tying into the work environment	Visit & discuss what the needs of companies are. Obligation to you?	Students will understand their pluses & minus. Why you need to think of your self as in your own business.	BrandingOperating your business, its needs



Overview

Need to think of the details that should accompany the project regarding the life-skill learning.

How are the Life Skills integrated into the project?

Essential Questions

- 1. How do we insure that the students pick up and embrace the life-skills that are part of the project?
- 2. What does cognitively and repetitive mean in learning life-skills.
- 3. Do we just pick a few ones before the project starts?

Students must be cognitively aware of skills they are using

In problem-based learning, beside solving the world problem, "learning along the way" is also a goal of the work. Students must be cognitively aware of skills they are using.

Tasks

How do we re-enforce the learning of these skills?... Writing in a book, creating a poster, team play about the skill?

Prioritize the life-skills into musts and wants, put them in categories (business, society, personal),

Get students to Collaboration on their learning life skills

"well-being can be considered a life skill. If you practice, you can actually get better at it." By learning and regularly practicing skills that promote positive emotions, you can become a happier and healthier person. *Jane Brody*

Personal/ Social Development:

Ethical decision	Civic	Planning/ Goal-
making	engagement	setting
Self-control	Character traits	Social
		intelligence
Values	Team work	
/community		

Skills related to the process:

Problem solving	Financial literacy <u>Time management</u>	
Thinking skills	Character traits	Self-control/ Values
Collaboration & Teams	Continuous improvement/ Quality	Process methods
Measurements/ Feedback	Planning	Risk taking/Stretch goals
Learning from failure	Entrepreneurship	Innovation
Study skills	Decision making	Negotiation
Social intelligence	Team work	Organization culture
<u>Listening Skills</u>	Nonverbal communications	

Elements of Engineering mind-set

Culture:

- · Values/ norms/ communities
- Negotiation
- Decision making
- Collaboration
- Excellence

Project Formation:

- Creative and Critical thinking
- System view
- Questioning
- · Customer needs
- Financial controls

Planning and Scheduling

- Time management
- Measurements/ Feedback
- Quality systems

Problem Solving / Process

- Innovation
- Risk taking
- Prototyping and iteration
- Entrepreneurship

Public reporting

- Reflection
- Testing idea
- Presenting

Attitude

- Positive
- Flexible
- Doing your best
- . Being a leader when necessary

Ice breaker/ Intro.	Greeting skills, Eye	
muo.	contact, non-verbal skills	
Forming the team	Diversity, Values of a culture, Time management Listening skills, Collaboration	
	Character development	
Picking the project	Team work, Handling adversity Project planning, Scheduling	
Problem solving	Thinking skills. Self- reflection Problem-solving structure Decision making, Sorting	
Testing & writing	Feedback, Iterations, Communication (without phones)	
	Elevator pitch,	
Public dialogue/ Celebration	Metacognition, Presentation skills,	

Process

Skills

All parts of the process