

Professional development... Example of a 7-8 hour schedule

Need:

- Most students are bored with the factory model of learning.
- Home-schooler's/Drop-out students need an environment for collaborative-interdisciplinary learning.
- A growing number of students are finding it difficult to manage the complexities of life relating to the interface of society, schools and business.

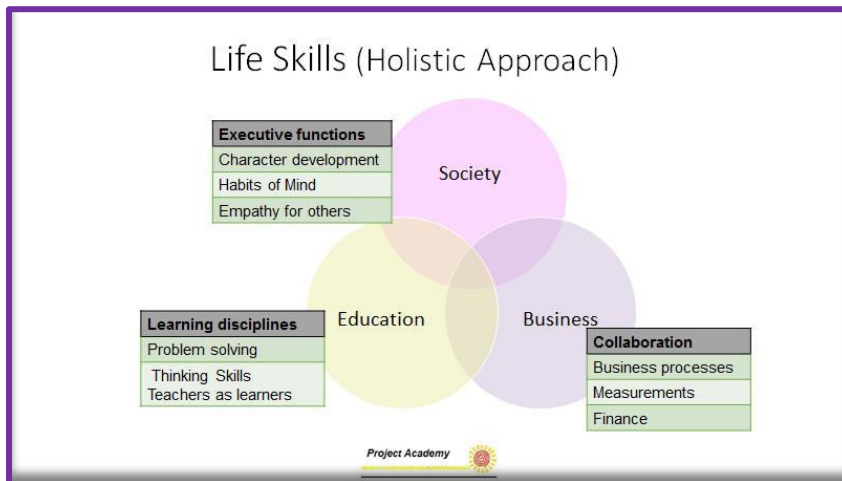
Provide college and Career Readiness Skills

More information about MassCore is available at: <http://www.doe.mass.edu/ccr/masscore/>

More information about Connecting Activities is available at: <http://www.doe.mass.edu/connect/>

Mission:

- Get students excited about learning (life-long learners).
- Have the reasoning skills to manage in today's society and begin to build a set of skills to use in multiple careers.
- Understand that problems are opportunities. The bigger the problem, the bigger the opportunity.
- Have students better prepared for college or a career.



Skills to be learned while solving the World problem (Skills, Attitude, and Behavior). Students must be cognitively aware of the skills they are using.

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|------------------------|------------------------------------|---------------------------|
| Team operation | Organizational culture | Decision making |
| Problem Solving | Financial literacy | Time management |
| Thinking skills | Character traits | Self-control/ Values |
| Collaboration | Continuous improvement/ Quality | Process methods |
| Measurements/ Feedback | Planning | Risk taking/Stretch goals |
| Learning from failure | Entrepreneurship | Innovation |
| Study skills | Mindset | Negotiation |
| Social intelligence | Team work | Organization culture |
| Listening skills | | |

Which are important to us?




PD process map

Professional Development Plan

| Title | Main topics/ Activity | | | | | | |
|--|-----------------------|----------------------|-------------------|-----------------|---------------------|--|---|
| <p>Hour 1 Ice breaker Overview:</p> <table border="1" style="width: 100%;"> <tr><td>Ice-breaker</td></tr> <tr><td>Learning team/Values</td></tr> <tr><td>Project selection</td></tr> <tr><td>Problem solving</td></tr> <tr><td>Public presentation</td></tr> <tr><td> </td></tr> </table> | Ice-breaker | Learning team/Values | Project selection | Problem solving | Public presentation | | <ul style="list-style-type: none"> • Marshmallow project • Group introduction • Overview of the 5 element process |
| Ice-breaker | | | | | | | |
| Learning team/Values | | | | | | | |
| Project selection | | | | | | | |
| Problem solving | | | | | | | |
| Public presentation | | | | | | | |
| | | | | | | | |

| Title | Main topics/ Activity |
|--|---|
| <p>Hour 2</p> <p>Team & Culture</p> <div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> • Community culture: ... Language, Symbol, Values, Beliefs, Norms, Rituals • Group Culture: ... Time & focus limited • Learning Teams ... Focus on learning, Charter </div> <p>Forming the team and group culture</p> <p>Values</p> <p>Trust, Respect, Empathy, Kindness, Curiosity, Innovation, Persisting, Flexibility, Continuous learning, Humor and Taking responsible risk.</p> | <p>Background: Who is Project Academy?</p> <ul style="list-style-type: none"> • About us • What is the concept: • Show flow diagram • Essential question • Project Based Learning... PBL <p>Compare Sports and Learning Teams</p> |
| <p>Hour 3</p> <p><i>Life skill vs. time allowed</i></p> <p><i>What makes it fun?</i></p> <p><i>What do we want to measure?</i></p> <p><i>Students must be cognitively aware of skills they are using</i></p> | <p>Learning benefits & life skills</p> <ul style="list-style-type: none"> • What's life skills <ul style="list-style-type: none"> ○ College and Career Readiness ○ Society skills • One-pagers ... defining skills • Learning is Fun ... Life Long learners • Course Rubrics (Student generated) |
| <p>Hour 4</p> <p>PBL Benefits</p> <ul style="list-style-type: none"> • Student ownership • Set their measurement Real world issues • Reporting results to others • Developing a well-constructed paper (Elevator Pitch) | <p>Problem solving elements</p> <ul style="list-style-type: none"> • Show Design Process <ul style="list-style-type: none"> ○ Collaboration ○ Requirements ○ Brain-Writing, Shaping ○ Thinking skills ○ Decision making / Testing / Reflection • On-line Tools ... Web site review • Problems are opportunities |
| <p>Hour 5</p> <p>Brain Plasticity / Mindset</p> <ul style="list-style-type: none"> • <i>The brain is a muscle</i> | <p>Being a facilitator</p> <p>The teacher as the facilitator:</p> <p>We need to focus on modeling for the students the way to ask questions based on the desired outcomes to demonstrate that learning is achieved by getting the students to understand how they gathered the data & use skillful thinking to make a conclusion. In addition, we must model the meta-cognition aspects on how we arrived at a learning point. By providing examples &</p> |



| Title | Main topics/ Activity |
|--|---|
| <p>Facilitation</p>  <ul style="list-style-type: none"> • Questions • Reflection • Tying to the States' Std | <p>engaging students in role playing, we can demonstrate how we arrived at a particular point. The teacher can identify the expected outcome and question the students on how they achieved this outcome. In addition, the students will assess themselves on their compliance with the ground rules that were established in the beginning of the project. The goal for the teacher is to create an environment that supports learning and construction of knowledge by the student.</p> |
| <p>Hour 6</p> <p>Knowing the students Team mentors? Resources available to team?</p> <p>Could be a 2 hour class?</p> | <p>Doing a problem</p> <ul style="list-style-type: none"> • Essential question • Picking life skills • Culture and Team • PBL process • Reporting and Presenting to others |
| <p>Hour 7</p> <p><i>Your thoughts on the program?</i></p> <p><i>Hand out review form.</i></p> | <p>Reflection</p> <ul style="list-style-type: none"> • What did we leave open? • How will you use setting up a team in your organization? • What did you need more of? • What's next? • How can we make this better? |

