

Design STEMs from the Data

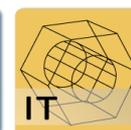
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Funded by NSF Award #1238089



AMP-IT-UP

Project Overview

- 18-week STEM-ID course for 6, 7, 8
- 3 Math 1-week modules for each grade
- 3 Science 1-week modules for each grade



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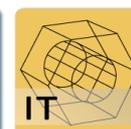


STEM-ID Course Design

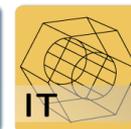
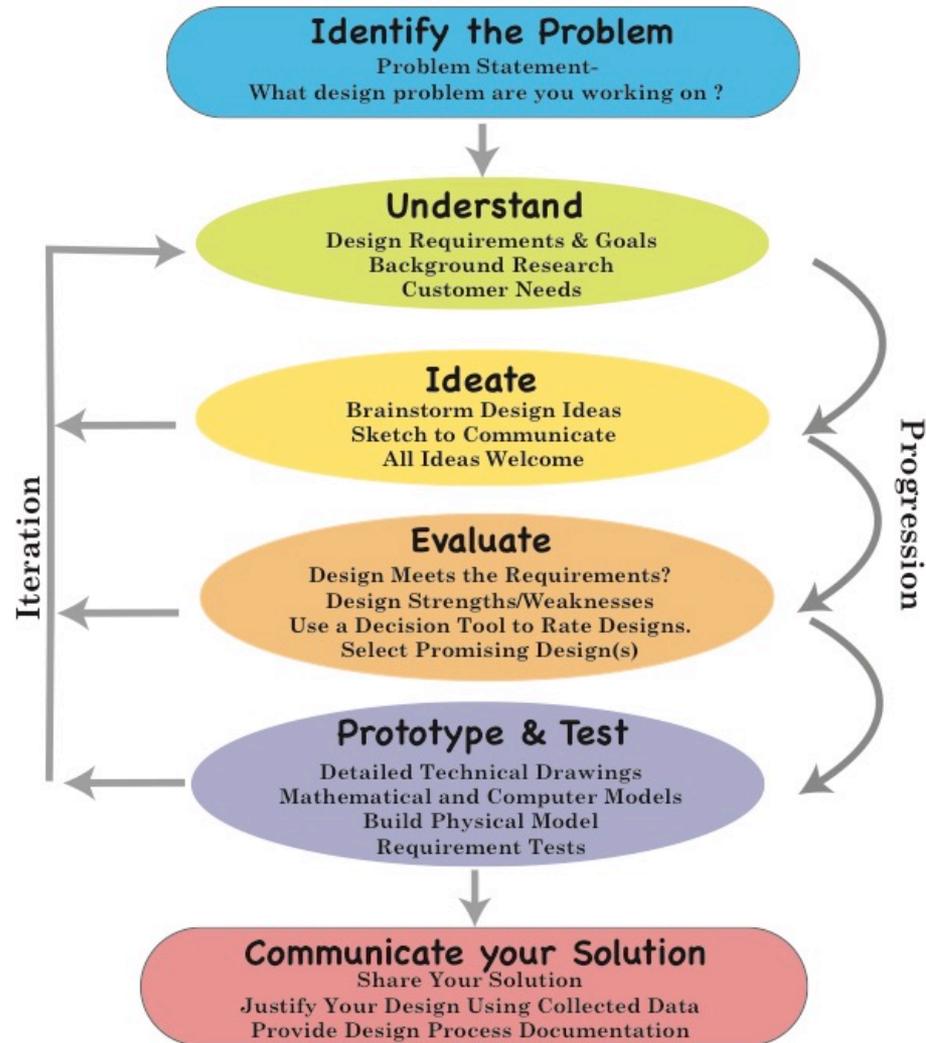
- 18 week STEM course
- Four multi-week mini challenges
 - Data, Systems, Visualization, Design
- Use of Design Log (eEDPL)
- Different experience for grades 6-8
- Integrates Math & Science content and practices
- Cross-Cutting to Math and Science
 - Experimental Design
 - Data Visualization
 - Decision Making



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Engineering Design Process



Electronics Engineering Design Process Log

- Formatted to follow the EDP
- Provides a longitudinal document of the entire process
- Maintains student information in organized fashion
- Provides a scaffold document
- Can be used for both formative and summative assessment

[example](#)



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AMP STEM-ID: What is this all about?

We have three stations

6th- Carnival Tycoon

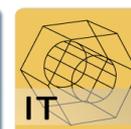
7th – Flight of Fancy

8th – Bio-Bot

About 20 min per station then rotate



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Where can you get access to the curricular materials?

www.ampitup.gatech.edu

Click the Curricula tab

Currently only the STEM-ID courses available
Math & Science Modules late spring of 2017

Contact information

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