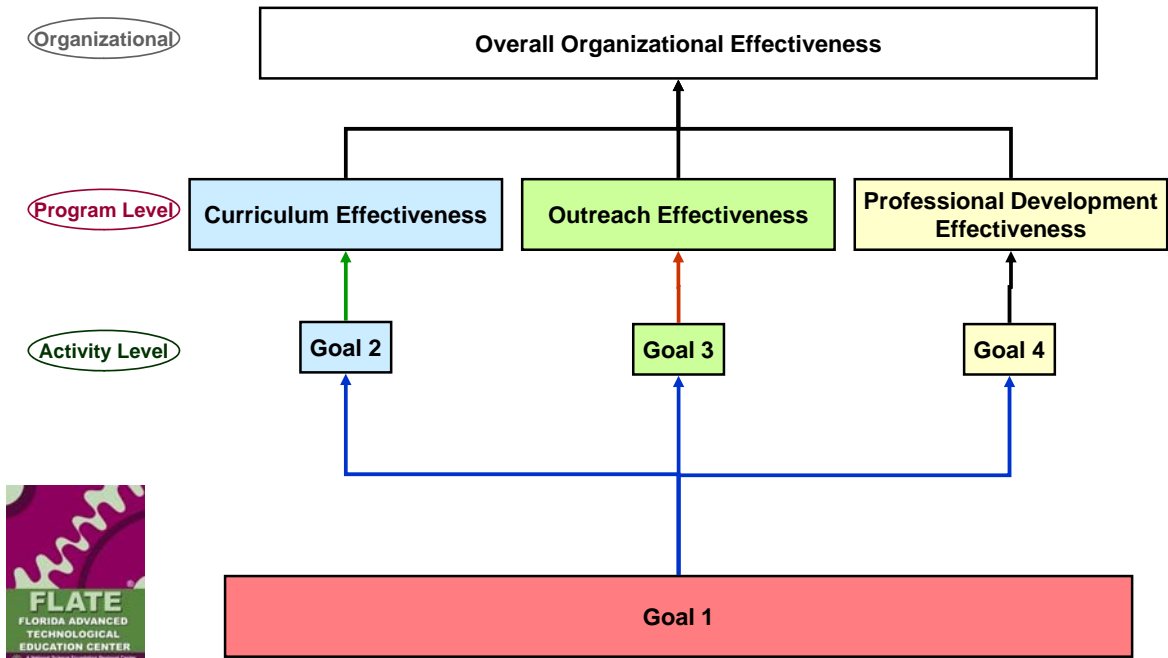


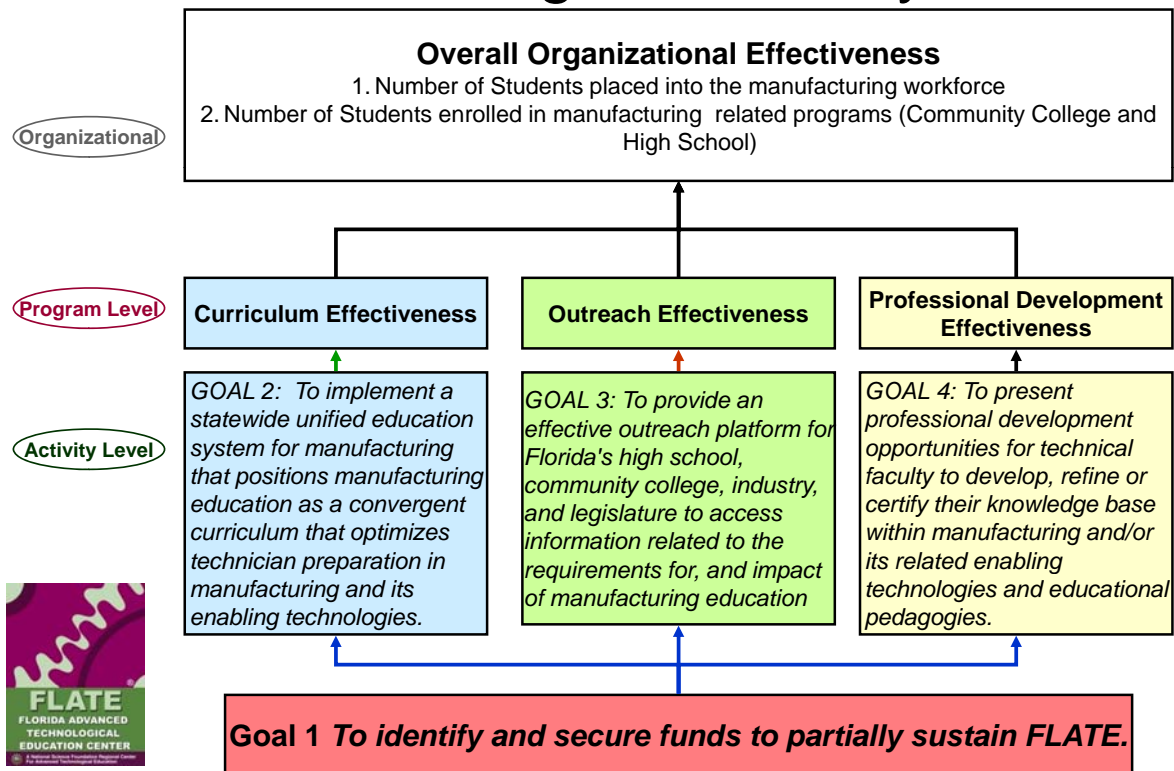
FLATE – Strategic Hierarchy

2008-2011



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

FLATE – Strategic Hierarchy (2008-2011)



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

FLATE – Strategic Hierarchy

2008-2011

Organizational

Overall Organizational Effectiveness Measures

- Number of Students placed into the manufacturing workforce
- Number of Students enrolled in manufacturing programs (Community College and High School)

Program Level

Activity Level



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

3

FLATE - Strategic Hierarchy

2008-2011

Organizational

Curriculum Effectiveness Measures

- Community Colleges
 - **CE-1** % of implementations in existing programs
 - **CE-2** % increase in students participating
 - **CE-3** # of new programs
 - **CE-4** # of new specializations
 - **CE-11** # of college level completers (through various sources)
- High Schools
 - **CE-5** % adopting Automation & Robotics framework
 - **CE-6** % increase in students participating in Automation & Robotics framework
 - **CE-7** % integrating MSSC standard in existing non-FLATE framework
 - **CE-8** % increase in students participating re: MSSC standard in existing non-FLATE framework
 - **CE-12** # of high school level completers (through various sources)
- PSAVs
 - **CE-9** % integrating MSSC standard in existing non-FLATE framework
 - **CE-10** % increase in students participating
- **CE-13** # of other programs asking for curriculum model as best practice
- **CE-14** # of students using Made In Florida Learning Challenges
- **CE-15** # of students taught soft skills module

Program Level

Activity Level



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

4

FLATE - Strategic Hierarchy

2008-2011

Organizational

Program Level

Activity Level



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

Outreach Effectiveness Measures

- Florida Trend Magazine's NEXT issue - manufacturing advertorial
 - OE-1 # of contacts by category
 - OE-2 # of qualified leads forwarded to post-secondary schools
 - OE-3 # distributed career planning handouts
- Tour Survey results (re: perceptions of attendees; identifying responses to specific selected questions)
 - OE-4 Student data
 - OE-5 Industry data
- OE-6 # hits on the Made-in-Florida (MIF) website
- OE-7 # MIF DVDs distributed
- OE-8 # hits on FLATE.ORG website
- Industry contribution to FLATE's outreach effort
 - OE-9 Cash value
 - OE-10 In-kind value

Professional Development Effectiveness Measures

- PDE-1 Level 1 usefulness/ applicability measures collected at professional development events/training sessions
- PDE-2 # of participant contact hours in workshops and training
- PDE-3 # of participant contact hours in ET Forum
- PDE-4 Faculty behavioral changes in the workplace as a result of attendance at professional development events/training sessions (planned data collection)
- PDE-4 Faculty self-evaluation of performance changes in the workplace as a result of attendance at professional development events/training sessions

5

FLATE - Strategic Hierarchy

2008-2011

Organizational

Program Level

Activity Level



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

Goal 2: To implement a statewide unified education system for manufacturing that positions manufacturing education as a convergent curriculum that optimizes technician preparation in manufacturing and its enabling technologies.

- 2.1 Two community colleges will have adopted the AS/AAS Engineering Technology (ET) Degree.
- 2.2 Align appropriate technical high school frameworks for articulation with the ET Degree.
- 2.3 Create a map to minimize replicate courses in the ET Degree.
- 2.4 Have identified where MSSC gaps are present in ET Degree core.
- 2.5 Adopt/adapt curriculum content based on MSSC gap analysis.
- 2.6 Develop a post secondary adult vocational framework for articulation to the ET Degree.
- 2.7 One high school technology program will have adopted the FLATE developed frameworks that articulate to the ET Degree.
- 2.8 Consolidate ET core course numbers to a minimal set.
- 2.9 Facilitate at least 1 new ET Degree specialization track and/or certificate.
- 2.10 Join an ATE consortium to determine the feasibility of a Virtual Factory learning platform.
- 2.11 Create an articulation pathway for the ET Degree into a B.S. Engineering Degree.
- 2.12 There will be at least 1 Engineering College articulation with the ET Degree.
- 2.13 Facilitate 8 ET Degree adoptions by Florida Community Colleges.
- 2.14 Facilitate 8 ET Degree high school programs to ET Degree articulations.
- 2.15 Facilitate 6 new ET Degree specialization tracks and/or certificates.
- 2.16 Be the permanent liaison between FLDOE and community colleges for development/revisions of technical curriculum frameworks.

6

FLATE - Strategic Hierarchy

2008-2011

Organizational

Goal 3: To provide an effective outreach platform for Florida's high school, community college, industry, and legislature to access information related to the requirements for, and impact of manufacturing education.

Program Level

- 3.1 Implement the components of the "Made in Florida" (MIF) campaign statewide.
- 3.2 Have 5 different MIF Design Challenges based on FL manufacturing facilities and related to appropriate STEM skills.
- 3.3 Have a series of 6 interactive "manufacturing career pathways" on the MIF website.
- 3.4 Showcase community college exemplary training facilities on the MIF website.
- 3.5 Facilitate 1 additional "Made in Florida-Up Close" video sponsored by a Florida based manufacturing company.
- 3.6 Partner with MAF and the RMAs to support student activities.
- 3.7 Make available an exportable turnkey MIF outreach kit.
- 3.8 Implement statewide representation on its Industry Advisory Committee.

Activity Level



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09

Goal 4: To present professional development opportunities for technical faculty to develop, refine or certify their knowledge base within manufacturing and/or its related enabling technologies and educational pedagogies.

- 4.1 Schedule a training series for the Florida Engineering (ET) Technology Forum.
- 4.2 Offer one additional integrated Toothpick Factory Simulation event.
- 4.3 Identify its professional development instructor team.
- 4.4 Schedule one training event at the Florida Engineering Technology (ET) Forum.
- 4.5 Deliver a MSSC Certification training for relevant faculty.
- 4.6 Deliver STEM teachers workshops in partnership with the NASA supported Endeavor Academy.
- 4.7 Offer 3 integrated Toothpick Factory Simulation events.
- 4.8 Offer 3 professional development courses on ET Degree specialization content and/or instructional development.
- 4.9 Deliver 3 MSSC Certification training sessions.
- 4.10 Develop 1 additional Toothpick Factory® expansion module.

FLATE - Strategic Hierarchy

2008-2011

Organizational

Goal 1: To identify and secure funds to partially sustain FLATE.
(enabler and supporter for all Goals 2 through 4)

Program Level

- 1.1 Secure funds from at least one State Center of Excellence.
- 1.2 Have an operational 501(c)(3) not-for-profit corporation.
- 1.3 Secure funds for least 1 Florida Dept of Education Perkin's project.
- 1.4 Execute the administrative host-developed institutionalization plan.
- 1.5 Secure external funds for programmatic activities.
- 1.6 Have a transportable Sterling/Baldrige assessment model to meet NSF ATE needs.
- 1.7 Conduct an organization self-assessment based on Sterling/Baldrige criteria to monitor performance and measure impact.

Activity Level



Strategic Hierarchy
FLATE Evaluation Plan 01/30/09