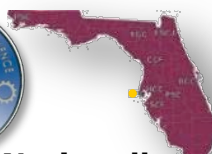


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FLATE VISION

FLATE will be Florida's leading resource for education and training expertise, leadership, projects, and services to promote and support the workforce in the high performance production and manufacturing community.



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NSF Advanced Technological Education

ATECENTERS

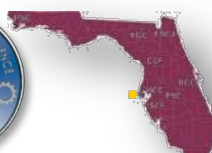


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*Partners with Industry
for the NEXT American Workforce*

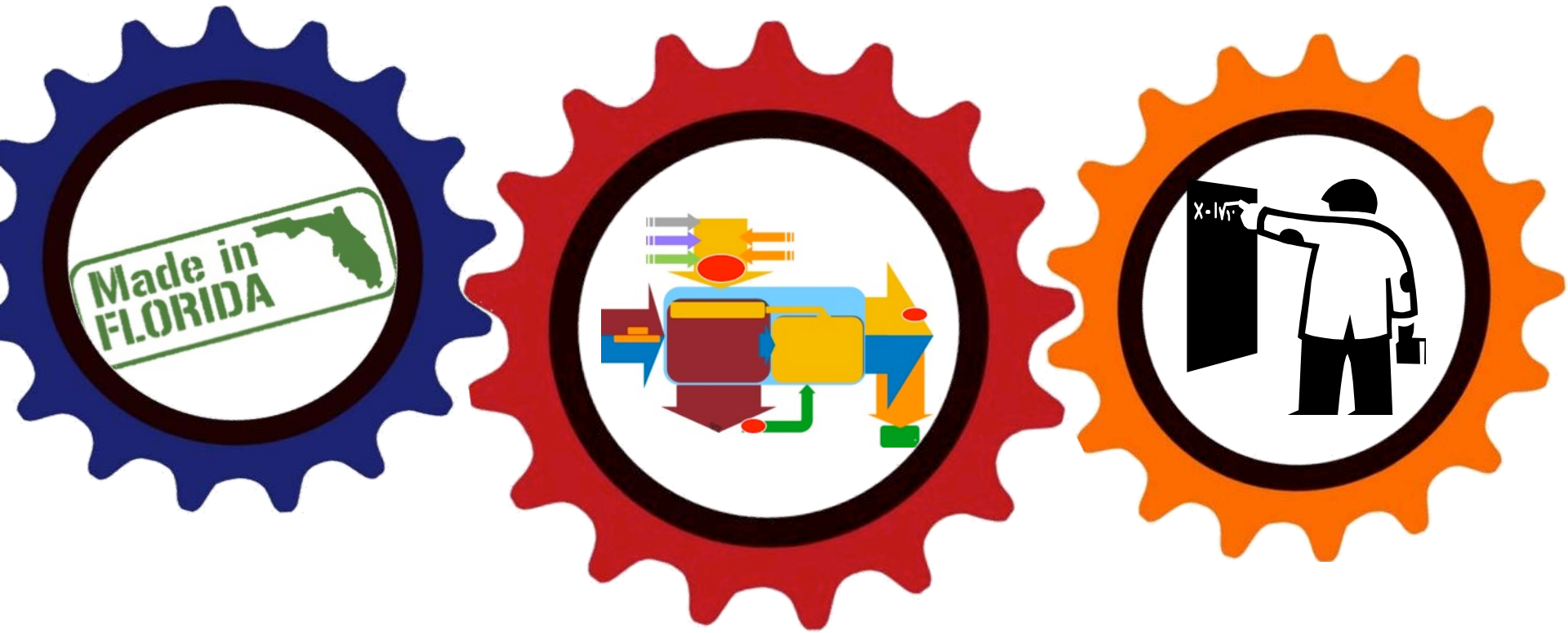


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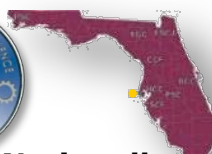


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Tell Teach Train
Advancing Excellence in Engineering Technologies



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TOURS: OUR EXPERIENCE

3,917 students

52 schools

185 events

75 manufacturing facilities

how

organize, organize organize

who

**high & middle school students,
educators, parents**

what

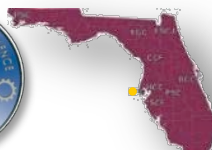
facilitated manufacturing tours

where

Florida modern manufacturers

why

real, relevant, rigorous



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2013 STATEWIDE OUTCOMES

<http://madeinflorida.org/manufacturing-day/>

Florida Statewide Totals*

24 Counties participated

2,331 students

1,391 student surveys returned

110 teachers

71 parents

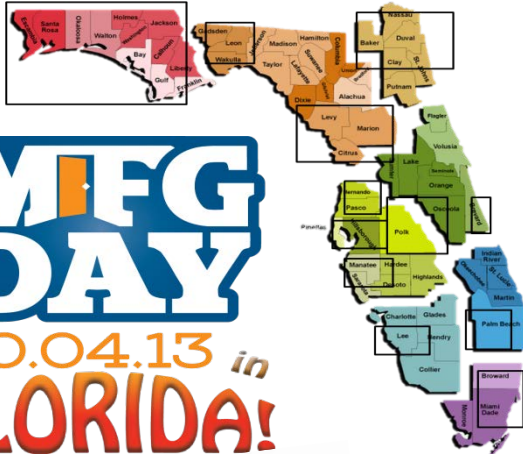
67 Florida schools

225 employees from

72 manufacturers & colleges

10 proclamations

*events that partnered with FLATE

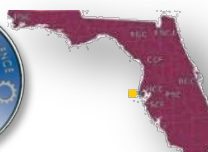


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FLORIDA!



"It was really cool and interesting, and provided a unique experience."

Based on 1,175 individual responses, student interest in advanced manufacturing careers increased by +32.8 % statewide.



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...the numbers

Florida Statewide Totals*

23 Counties participated

2,307 students

1,175 student surveys returned

110 teachers

66 parents

67 Florida schools

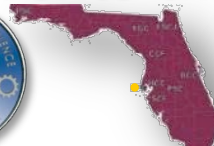
225 employees from **71** manufacturers
& colleges

> \$30,000 in kind and cash support

**events that partnered with FLATE*



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...the numbers



Based on **1,175**
individual responses,
student interest in
advanced manufacturing
careers **increased by**
32.8% statewide.



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SURVEY RESULTS PROVE SUCCESS

✓ FLATE compiles student survey results and shares statewide comparison data with regional partners



Post-Visit Survey – FLATE Advanced Manufacturing Tour
Thank you for joining our tour today!



Please tell us something about yourself:

Male Female Grade in School: _____

Ethnicity: Asian Black Hispanic White Other _____

Instructions: Read the statements carefully. 1) is a short answer question.
Please indicate your level of agreement with each statement by circling the appropriate number.

- 1 = Strongly Disagree (No)
- 2 = Disagree (No)
- 3 = Agree (Yes)
- 4 = Strongly Agree (Yes)

1) What did you like most about this tour? (Please write at least two sentences and use the back of this page if needed.)	
1 2 3 4	2) Before going on this tour, I had not considered a career in advanced manufacturing.
1 2 3 4	3) Today I learned about technologies used in advanced manufacturing industries.
1 2 3 4	4) I learned something new and interesting about manufactured products.
1 2 3 4	5) The tour made me think about careers in advanced manufacturing.

Manufacturing Day 2013 State and Regional Totals

Statewide Totals: 23 Counties participated, 1,175 Student Surveys Collected Statewide
2,307 Students, 110 Teachers, 66 Parents
67 Florida Schools, 225 Manufacturing Employees, 71 Manufacturers and Colleges

Based on individual student responses, student interest in advanced manufacturing careers increased by +32.8% statewide.

FLATE Student Survey Questions	State Averages (n=1175)	Marion County Averages (n=119)
2. Before going on this tour, I had not considered a career in advanced manufacturing.	2.5	2.8
3. Today I learned about technologies used in advanced manufacturing industries.	3.5	3.6
4. I learned something new and interesting about manufacturing products.	3.5	3.6
5. The tour made me think about careers in advanced manufacturing.	3.4	3.1
6. The tour helped me understand how STEM subjects learned in school (science, technology, engineering and math) are put to work in advanced manufacturing industries.	3.2	3.4
7. This tour gave me new information about careers in advanced manufacturing.	3.4	3.5
8. After taking this tour, I think I will consider a career in advanced manufacturing.	2.7	2.8
9. I would recommend that other students have the opportunity of this tour.	3.6	3.7

492 Students participated in manufacturing day tours in the Marion County Region

Sample student comments:

I personally enjoyed watching the process of creating a part by way of casting. The way the molten melt flowed and formed was awe inspiring.

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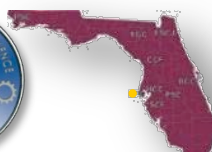
GOALS

Awareness

Appreciation

Anticipation

Action



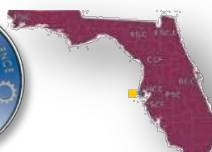
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2014 GOALS

- ✦ **More students**
- ✦ **More counties in FL**
- ✦ **More press**
- ✦ **More impact**



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Help us reach our FL goals for **MFG DAY 10.03.14**

- 200 "Made in Florida" Student Industry Tours
- 200 Adopted schools (by manufacturers)

Open the Doors to Your Future!

- ✓ Host a "Made in Florida" Industry Tour
- ✓ Get a county commission proclamation
- ✓ Become a Manufacturing Mentor (*adopt a school*)

Dispel outdated myths about manufacturing • Tell your company's story • Inspire a new generation of manufacturers • Help our teachers & schools • Impact manufacturing curriculum •

For more info visit: <http://madeinflorida.org/manufacturing-day/>
OR

Sign up today: <http://tinyurl.com/on4edv3>

Contact: **Desh Bagley**, bagley@fl-ate.org 813.253.7838

Marilyn Barger, barger@fl-ate.org 813.259.6578

Manufacturers / Professional Associations	Host tours and/or "adopt a school" • Provide lunch & shirts • Take photos • get a local proclamation
Districts / Schools / Community Groups	Recruit students, teachers, chaperones • Provide buses
Florida TRADE/CareerSource	Open house • manufacturing career expos
FLATE	Survey tour participants • Compile & disseminate data • Design & distribute T-shirts • Coordinate



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May 9, 2014

What you need to know!



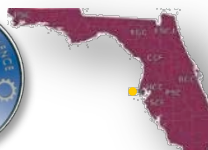
The webinar will begin at 11am Eastern Time on May 9, 2014. In the meantime we recommend you visit the website. Go to: www.fl-ate.org

The "WEBINAR"

This webinar will be recorded for planning purposes.



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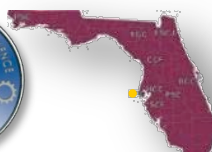


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MAY 2014 PLANNING WEBINAR AGENDA

1. National Manufacturing Day Overview
2. Overview of Manufacturing Day in Florida 2013
3. 2013 Manufacturing Day Speakers Panel (Reps from College, School districts, manufacturers)
4. Questions & Answers / Discussions



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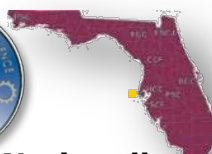
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WEBINAR OBJECTIVES

Participants in this webinar will gain valuable information

1. Establish partnerships and collaborations among RMAs, colleges, manufacturers, schools, and local governments (proclamations)
2. Understand the logistics involved in coordinating MFG Day activities including surveying students
3. Work with school district personnel to match schools with companies, request transportation, and request teacher support
4. Host meaningful MFG Day events for everyone



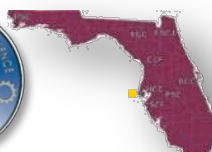
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STATEWIDE PLANNING

- ✧ Open houses / college visits for everyone
- ✧ Association symposium, galas, dinners, etc
- ✧ State & regional proclamations
- ✧ Student tours of manufacturing industries
 - Mfg-student tour lunches
 - Student t-shirts
 - Surveys for students, tour hosts, educators, all
 - Press
 - Curriculum

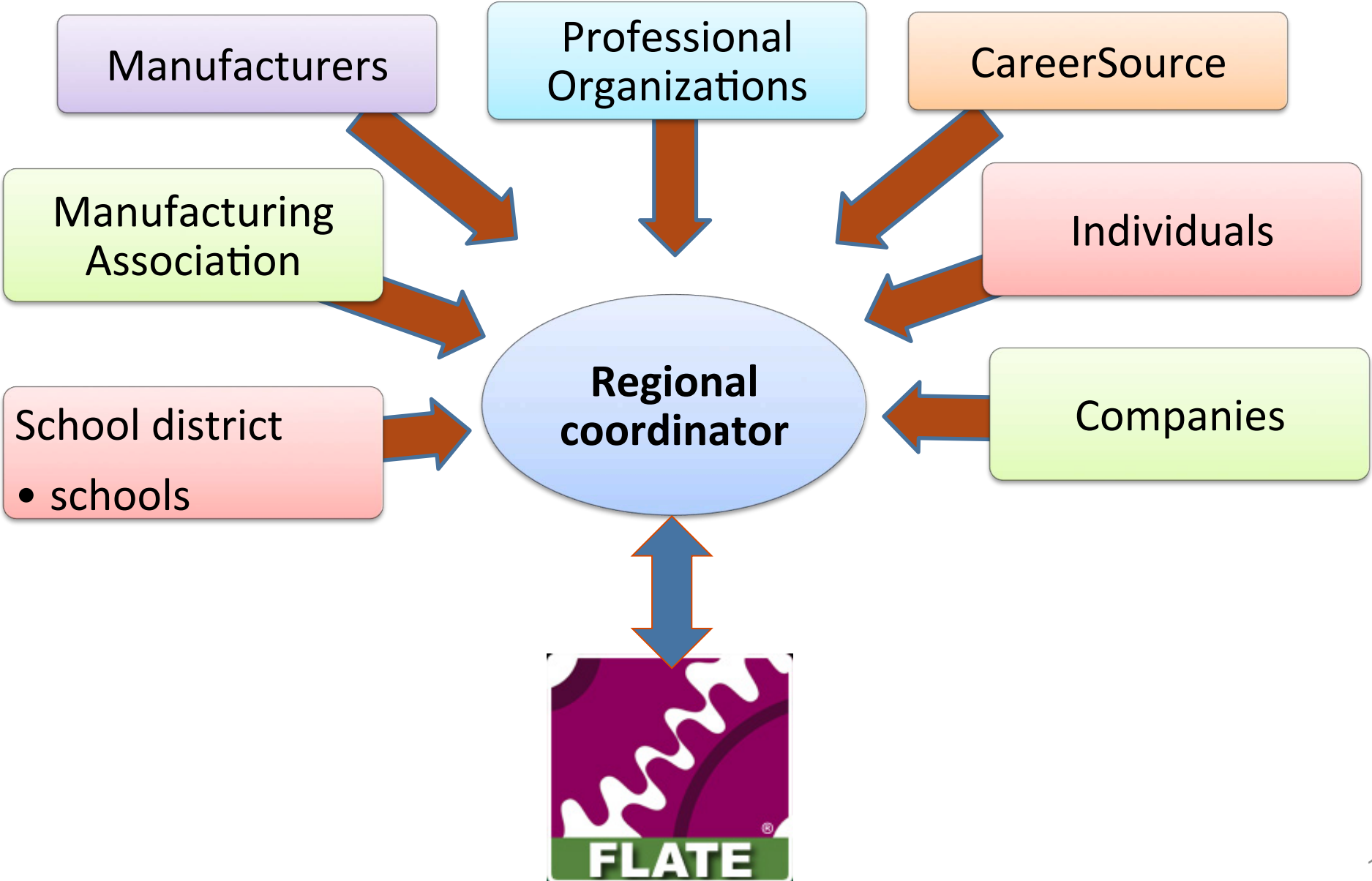


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ORGANIZE



ORGANIZE

JOIN US!

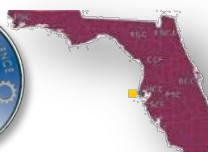


MFG DAY in FL Webpage

<http://madeinflorida.org/manufacturing-day/>

MFG DAY sign up link

<http://www.surveymonkey.com/s/WR8NBBT>



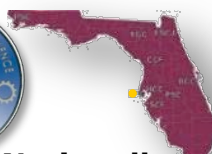
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REGIONAL PRESS

County	Industry Tour	Contact Information
<p>Marion County Region Marion and Citrus Counties</p>	<p>Winco, SPX, Closetmaid, Kmart Distributions, Golden Flake, Marion Metal Works, Krausz Industries, Custom Windows Systems, Sibex, Hale, Townley, A&N Manufacturers</p>	<p>Sara Lefils.sara.lefils@marion.k12.us</p> <p>Marion Regional Manufacturers Association Rob Adamiak mrma.email@gmail.com</p>



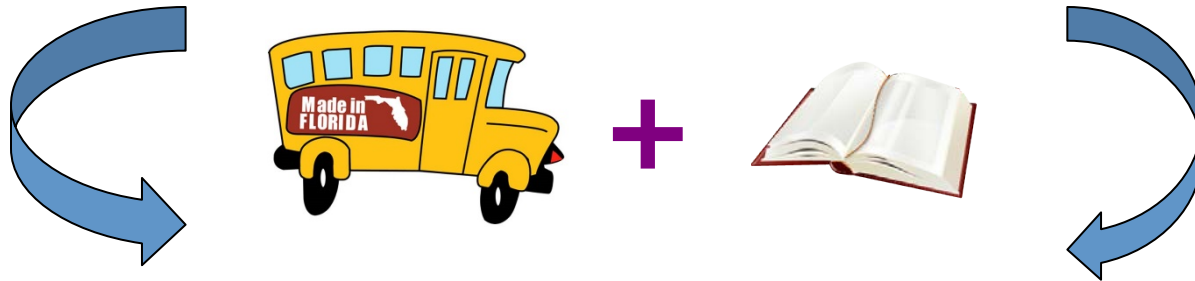
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CURRICULUM

Connecting Industry Tours & The New Standards



Comprehensive Instructional Systems (CIS)



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COMPREHENSION INSTRUCTIONAL SEQUENCE-CIS

- ❖ Multiple-strategy instruction
- ❖ Promotes student development in
 - ❖ Reading comprehension
 - ❖ Vocabulary
 - ❖ Content-area knowledge
 - ❖ Critical thinking about complex texts
- ❖ Students interact with in-depth, content-area information

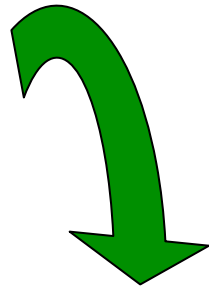


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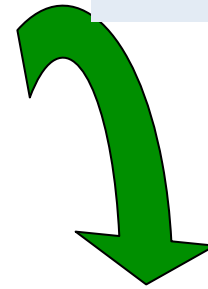
COMPREHENSION INSTRUCTIONAL SEQUENCE-CIS

Research



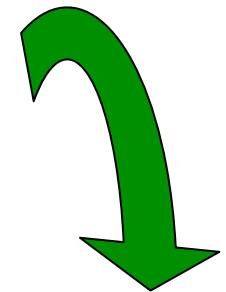
Read

Students compile their experience to create a written statement/reflection



Tour

Students discuss their statements by generating questions and using evidence (text and tour) to support their opinions



Write



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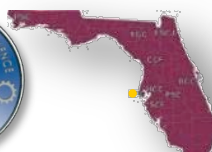
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FLATE CIS – TOUR LESSON PLANS

- ❖ Additive Manufacturing
- ❖ Assembly
- ❖ Automation
- ❖ Design
- ❖ Electronics Assembly
- ❖ Quality Measurements/Metrology
- ❖ Subtractive Manufacturing/Machining
- ❖ Welding



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FLATE's wiki

...full of great FREE RESOURCES for you!



(CLICK ON IMAGES BELOW)

<p>Made in Florida STEM Lesson Plans</p> <p>For Elementary, Middle & High School Educators</p>	<p>Career Education Resources</p>	<p>Modules for Advanced Technological Education</p>	<p>The Toothpick Factory</p> <p>A Simulating Game for Soft Skills</p>	<p>Camp Resources</p> <p>Summer Camps</p>
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Industry Year Resources

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Find your four lesson plans, and four surveys and many resources for your Made in Florida tour!

Recruiting all GIRLS who love S.T.E.M!

Resources and materials for STEM GIRLS!

FLATE Presentations, Publications & Webinars

Find webinars and workshop slides here.

High School Technology Initiative

Initiatives for high school educators that teach fundamental STEM concepts.

Read FLATE's ready-to-go Newsletter!

FOCUS

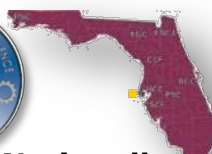
Connecting Manufacturers, Educators & Students with Florida's Workforce

FLDOR Career Resources

Career Education
Learning today - Earning tomorrow

...the numbers

FLORIDA dashboard	2013	2014
Florida Counties	23	36
Students	2307	>3000
Teachers	110	
Schools	67	110
Parents	66	
Manufacturing Companies	71	112
Manuf Employees	225	350 (est)
In-kind & cash support	>\$30,000	>\$40,000



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Join Us in Portland, OR

July 20-23, 2015



www.highimpact-tec.org



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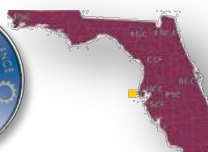
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Thank you!

Marilyn Barger,
Executive Director & PI
FLATE



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