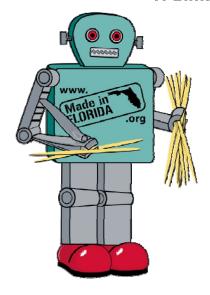


A Simulation Game for the Soft Skills





ASEE Annual Conference and Exposition Pittsburg, PA June 2008

The Toothpick Factory®

- Simulation game to teach soft skills
- Workplace setting
- Applicable to many audiences
- Active learning
- Self assessment / group discussion
- Introductory and advanced modules













Soft Skills

- People skills (PIR)
- Implement your strengths as a listener, learner and leader
- Working in teams, listening, speaking, adapting, leading

Hard Skills

- Education and experience
- What you know
- Technical knowledge and skills









Why are soft skills important?

- Increases promotion potential
- Empowerment
- Creates opportunities
- Employers want
 - Team-oriented employees
 - Well-rounded employees
 - High morale





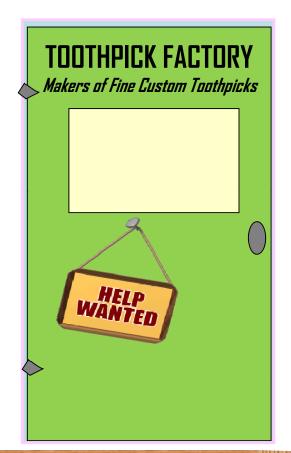








Setting the stage

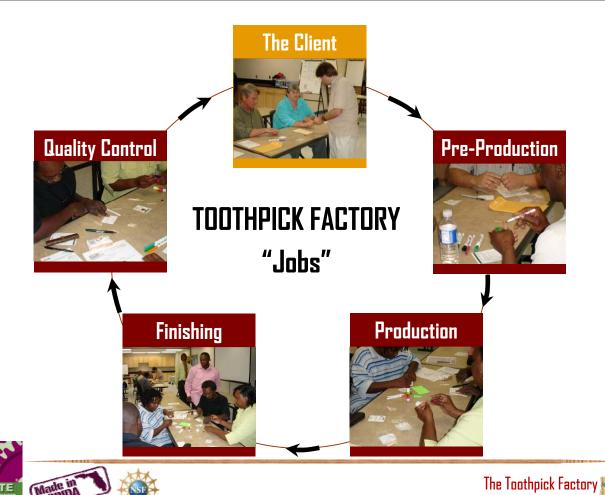








ASEE June 2008



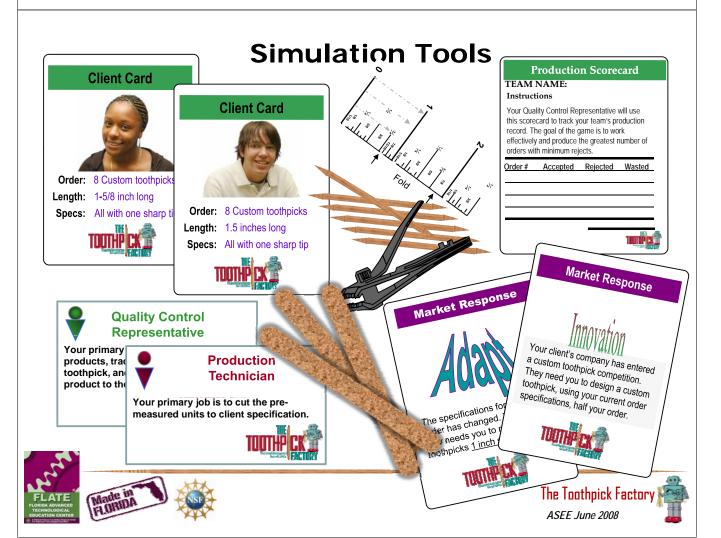
The Simulation

- Overview of soft skills
- Establish teams
 - production teams and client teams
- Briefly review scenario /distribute team packets
 - Production teams will get orders for custom toothpicks
 - Produce orders
 - Submit to Client team for final quality check
 - Record /report data
 - Rework any rejects and resubmit to client
 - Pick up next order
- Play simulation for 20 minutes
- Fill out soft skills scorecard and facilitate soft skills discussion
- Review team production data
- Repeat with Market Response Cards time permitting









Soft Skills Scorecard

- Immediately after simulation
- Self reflection
- For individual's benefit
- Springboard for facilitated debriefing
- Review sheet for students/participants
- Resource for further assessment









Soft Skills Scorecard

FLATE - www.fl.ate.org

| | | How often did you practice the actions today? | | | |
|---------------------|----------------------------------------------------------------------|-----------------------------------------------|-------------|-------|--|
| Clusters | Actions | Not much | A little | A lot | |
| Listening | Listen to and understand instructions. | | | | |
| | Listen to someone's request, comment, or question before responding. | | | | |
| | Receive feedback in appropriate way. | | | | |
| | Listen to the needs and ideas of others with respect. | | | | |
| | Work with peers to establish goals, tasks, and processes. | | | | |
| Working in Teams | Value everyone's input. | | | | |
| | Encourage cooperation between peers. | | | | |
| | Work collaboratively with others. | | | | |
| | Work with peers to resolve conflicts. | | | | |
| Leading | Influence others to accomplish quality. | | | | |
| | Motivate others through positive affirmations. | | | | |
| | Encourage collective agreements. | | | | |
| | Provide praise and recognition. | | | | |
| | Provide timely feedback to improve results. | | | | |
| | Express receptivity to input from peers. | | | | |
| Adapting | Quickly accommodate to changing conditions. | | | | |
| | Change production and inspection methods to improve quality. | | | | |
| _ | Ask adequate and timely questions. | | | | |
| Speaking | Makes clear and specific requests. | | | | |
| | Makes clear and specific promises or commitments. | | | | |
| | Communicate with a clear voice. | | | | |
| | Presents ideas calmly and clearly. | | | | |
| | Add the points in each column Add all three columns. | | TOTAL SCORE | | |







Recording Efficiency

- Number of toothpicks completed
 - Completed means finished and passed quality inspection
- Number rejected and why
- Number of stock toothpicks used
- Percent productivity (# completed/# used)

| Team Name | Order # | Completed | Rejected | Wasted | Used | % Complete |
|-----------|---------|-----------|----------|--------|------|------------|
| Team 1 | 1 | 8 | 3 | 2 | 10 | 80.00% |
| Team 1 | 2 | 8 | 4 | 3 | 11 | 72.73% |
| Team 1 | 3 | 8 | 5 | 4 | 12 | 66.67% |
| Total | | 24 | 12 | 9 | 33 | 72.73% |

 $\frac{\text{TOTAL COMPLETED}}{\text{TOTAL USED}} \quad \frac{24}{33} = 72.73\%$







Toothpick Factory Impact

How and who we impact:

- 1. Standard Workshop
 - Delivered to over **115** students.
 - Audience = from educators to workforce personnel.
- 2. Train the Trainer Workshop
 - Presented to over **69** faculty.
 - Audience = Post secondary, secondary educators and industry.
 - Train attendees how to facilitate the workshop in their classroom/training center.



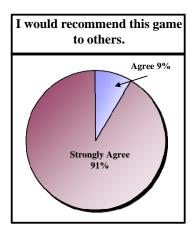


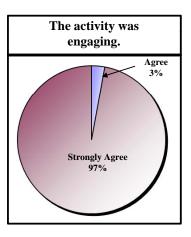


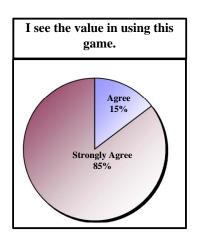


Toothpick Factory Impact

And what they say...













Kit Contents

- Participant Instructions
- Job Function Cards
- Production Record Card
- · Soft skills Scorecard
- Nail clippers
- · Nail files
- Toothpicks
- Measuring tools
- Client Response Cards
- Client Cards
- Market Response Cards
- · Facilitator's Guide
- Soft Skills Presentation

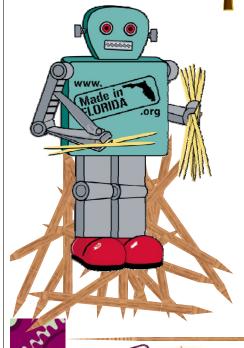








THANK YOU



Marilyn Barger, Ph.D., P.E. Executive Director, FLATE @ Hillsborough Community College Tampa, FL barger@fl-ate.org 813.259.6578

www.fl-ate.org www.madeinflorida.org



