



# Student T.E.A.M.S.

Student Teams Evaluating, Analyzing, Measuring Systems

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# Student Teams Program

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# Student T.E.A.M.S History and Mission

Tomorrow's workforce will be required to use logic and critical thinking to dissolve problems that arise each day in their life. Developing our future workforce through critical thinking and problem solving skills is the focus of our Student T.E.A.M.S. program.

**Align Student T.E.A.M.S. with a Business Sponsor who has a Problem ....get a Solution**

## **History:**

Since 1995, the Iowa Quality Center has trained and mentored over 200 teams of students by teaching commonly used business tools. We have found that this two days of training has provided students with critical thinking and specific problem solving skills; a training they may not be receiving in their current school setting.

## **Mission Statement:**

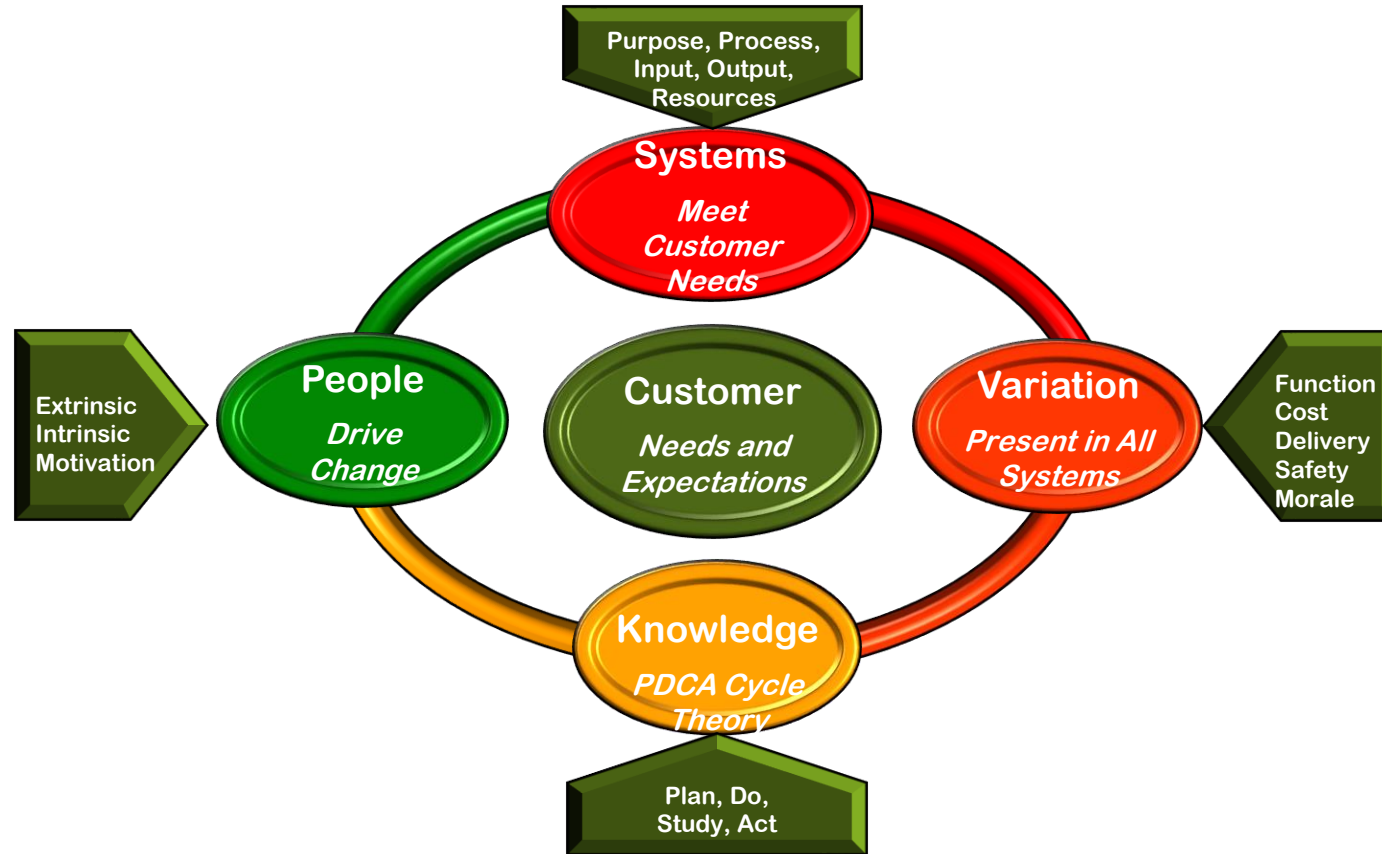
Student T.E.A.M.S. will bring Students and Businesses of all types together to build the problem solving skills and capabilities of students and business representatives. As a result, the future and present workforce will be better aligned to sustain the business and promote community service.

# Training Details : Soft Skills



Students are introduced to soft skills: Problem Solving and Decision Making, Creative and Critical Thinking, and Effective Communication.

# Training Details: Systems Thinking



Students learn to understand systems and the five components: Customer, Systems, Variation, Knowledge, and People

# Training Details: Plan - Do - Study - Act

P 1. Understand the problem and select the team

L 2. Define the problem

A 3. Study the current situation

N 4. Analyze the causes

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D 5. Select and develop a theory for improvement

O 6. Implement the theory for improvement

Study 7. Study the results, learn from them

A 8. Standardize the improvement

C 9. Reflect and establish future plans

T

Learn to use guide to build Story Board: Tool Time for Business

# Training Details: Story Board

- ▶ Teams will learn a 9-step process, known as the Plan-Do-Study-Act (PDSA) and use the “Tool Time for Business” resource book to learn how to choose and implement quality improvement tools to solve real problems
- ▶ The quality tools used becomes part of their story board. The story board examples are at the end of this power point
- ▶ Presentation skills is part of this training and will be put into use during the two days of training and on the last day at the Business Sponsor
- ▶ Teams will complete the following:
  - ▶ Building and presenting a team story board during two day training
  - ▶ 3 Days spent on a project in a sponsoring business
  - ▶ Building and presenting a team story board outlining a solution or theory of improvement to business leaders, to school district personnel, and to parents

# Overview: Collaboration between School District, Business Sponsors, and the IQC

## How Does It Work?

- ▶ Schools or business sponsors notify the Iowa Quality Center that they wish to arrange a Student T.E.A.M.S. event
- ▶ Schools designate a school employee to attend training at the school
- ▶ The Iowa Quality Center and the school agree on the training date (two consecutive days.) Training is from 8:30 AM to 3:30 PM at the school. Problem solving at the Business should be the following week (three consecutive days...with consideration for student's schedules)



## **School District:**

- ▶ Is responsible for the selection of students and the assurance that each student is committed to the training and to the experience.
- ▶ There is a minimum of four teams required with four to six students on each team with a maximum of six teams per school
- ▶ One school employee may also take part in the two day training to work with the facilitators on learning and using problem-solving tools
- ▶ The school district will be responsible for the purchase of materials for each student

## **Business Sponsor:**

- ▶ Provides funding to the program
- ▶ Allowed to send one business representative to the training at no additional cost
- ▶ Provides the facilities for the students during the on-site project work for three days.
- ▶ Often times the businesses provide snacks and lunches during the three day on site experience.

## Iowa Quality Center:

- ▶ Prior to the Student T.E.A.M.S. training, the IQC will provide the program participants with operational definitions as well as expectations
- ▶ The IQC meets with the Business Sponsors and agree on a project scope
- ▶ Provides facilitation of the two day training as well as guidance and mentoring for the on-site project at the business (total of five days)
- ▶ At the business site, the students complete the Story Board as a team, using their new critical thinking and problem solving skills and resources, with minimal influence from the business, school, or the IQC
- ▶ Training supplies including the markers, easels and pads are provided by the IQC

# Cost of program

## **School District and Student:**

- ▶ The school district will be responsible for the purchase of materials for each student (approximately \$65.00 per student)
- ▶ The student and the school representative have no additional costs

## **Business Sponsor:**

- ▶ The business sponsor will contribute \$1000-\$1500 and covers the following:
  - ▶ Facilitator training and support (two training and three support days)
  - ▶ Training to students, to one school representative, and to one business employee
  - ▶ Sustainability of the program through the Iowa Quality Center

## **Iowa Quality Center:**

- ▶ Provide Quality Improvement Consultant for training
- ▶ Training supplies

# WIIFM (What's In It For Me?) Outcomes of Student T.E.A.M.S.

## School District and Students:

- ▶ Participants receive a Student T.E.A.M.S. letter of certificate
- ▶ Students are given **a real business experience** and should place program on resume
- ▶ Schools receive students and an employee with new critical thinking and problem-solving skills such as process mapping and root cause analysis
- ▶ Students leave the experience with enhanced 21st Century Skills in collaboration, communication, and problem solving

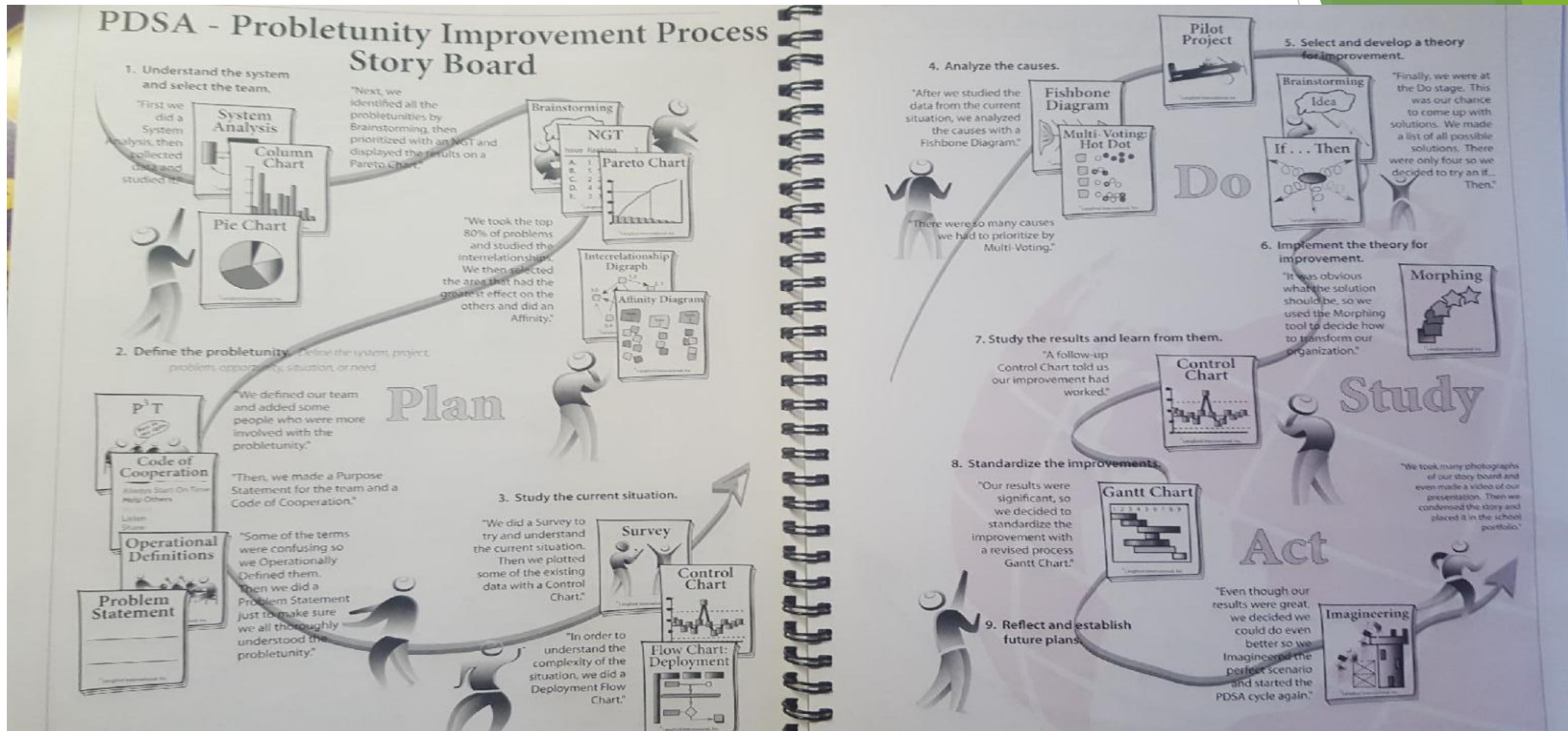
## Business Sponsors:

- ▶ Businesses receive: Theory of Improvement to an existing problem, an employee that participated in training, a connection with future employees, and a sense of community service

## Iowa Quality Center:

- ▶ Gets closer to mission achievement: To provide leadership for performance excellence by connecting individuals, organizations, and communities
- ▶ Based on customer feedback, will use information to continually improve the program

# Team Presentation: Creating a Story Board using PDSA





# Past Student T.E.A.M.S. Story Board Presentations

Student T.E.A.M.S. present at local business sponsor



Student T.E.A.M.S. present at Iowa Recognition For Performance Excellence Conference

Student T.E.A.M.S. present at Iowa Recognition For Performance Excellence Conference

# Student Testimonials

## What do students gain from the Student Teams experience?

- ▶ “This was a very good experience. I learned a lot from it, all the quality tools that could solve problems in life and in any field of jobs I go into.”
- ▶ “Many good problem solving skills and steps to solve those problems. I learned teamwork skills, and ways to work well in a group towards a common goal. I learned to not jump right to a conclusion but to work it out with organized steps. I also learned some good presentation skills.”
- ▶ “I feel that the IQC/Langford training we experienced and the opportunity afterwards that we had to apply our learning is both applicable throughout education, and in all other aspects of my life. It was a truly valuable experience.”
- ▶ “I never thought I would have done so much in a week! I really enjoyed the whole workshop, but I liked working on the problem in the company the best. It was a lot of work.”
- ▶ “I like being treated like an adult, doing an adult task. I can use the experience in the real world.”
- ▶ “Great methods and processes to analyzing problems and solutions effectively. It really helps to keep the team focused and unified.”
- ▶ “How to efficiently work through a problem and get at the real causes and finding how the causes relate to an effect.”

# Thank you for attention!

Interested in bringing Student TEAMS to your community?

Contact us:

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