

# All Aspects of the Industry

Department of Education

# Objectives:

- What is “All Aspects”?
- Why is it important?
- How can you integrate “All Aspects” concepts?
- What are the benefits of integrating “All Aspects” concepts?

“All Aspect of the Industry”

What does it  
mean?

# What “aspects” are needed to operate a successful school district?

- Planning
- Management
- Finance
- Technical Skills
- Technology
- Labor Issues
- Community Issues
- Health, Safety, and Environmental Issues
- Personal Work Habits



# The Same Aspects of Operating a Business...Industry...Company



- Planning
- Management
- Finance
- Technical Skills
- Technology
- Labor Issues
- Community Issues
- Health and Safety
- Personal Work Habits

“All Aspect of the Industry”

Why is it  
important?

# Justifications for All Aspects-- Educational Reform

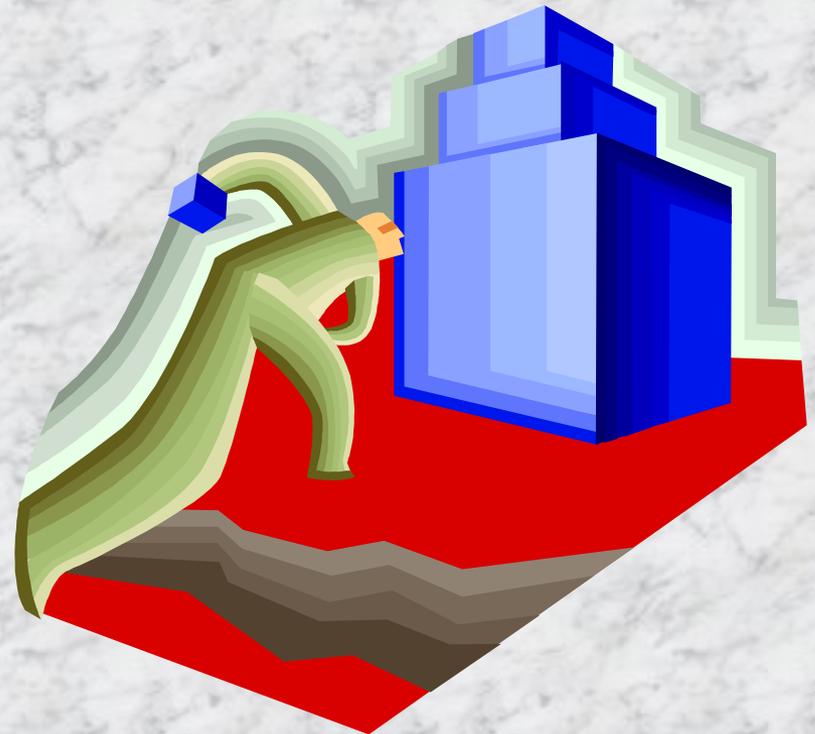
- Integrating academic with career and technical education
- Empowering students to make career and life choices
- Enabling students to adapt to technological change
- Involving students in economic development

# Justification....

- Combining learning with actual experience
- Developing more interdisciplinary instruction
- Forging new links between schools, business, and community institutions
- Goal: to prepare students with a variety of skills in a fast-changing workplace

# Planning

- Strategic planning
- Establishing goals and objectives
- Performance assessment



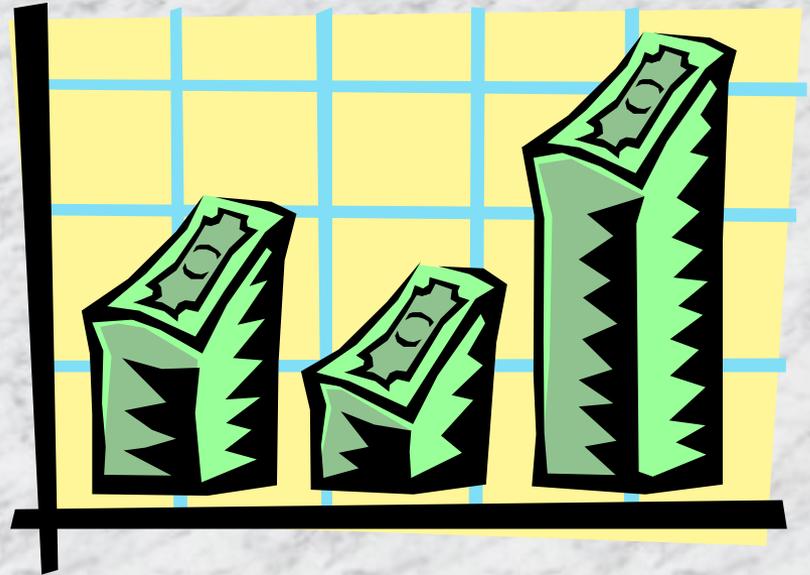
# Management



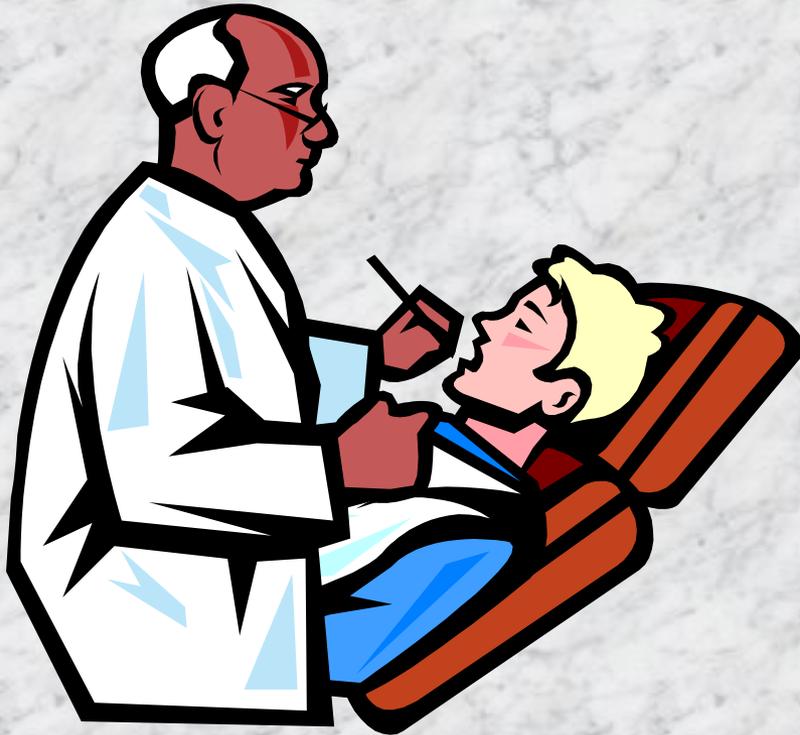
- Organizational structures
- Workplace cultures
- Production methods
- Operation of organization (facilities, staff, resources, equipment, materials)

# Finance

- Accounting and financial decision-making
- Capital acquisitions
- Financial operations



# Technical Skills



- Specific production skills
- Basic academic skills
- Ways of organizing work, including methods which diversify and rotate jobs

# Technology

- Technology in the workplace
- Continued professional training
- Mathematical, scientific, and economic principles that underline the technology



# Labor Issues



- Rights of employees and their responsibilities
- Wages, benefits, and working conditions
- Role of labor organizations

# Community Issues

- Community activities and issues
- Company's involvement in the community
- Impact of the company on the community and the community on the company



# Health, Safety, and Environment



- Practices and laws affecting the employee
- Workplace safety
- Regulatory issues

# Personal Work Habits

- Non-technical skills and characteristics expected in the workplace....positive attitude, personal fitness and appearance, readiness to work



“All Aspect of the Industry”

How can you integrate  
the concepts?

# Curriculum Development Strategy

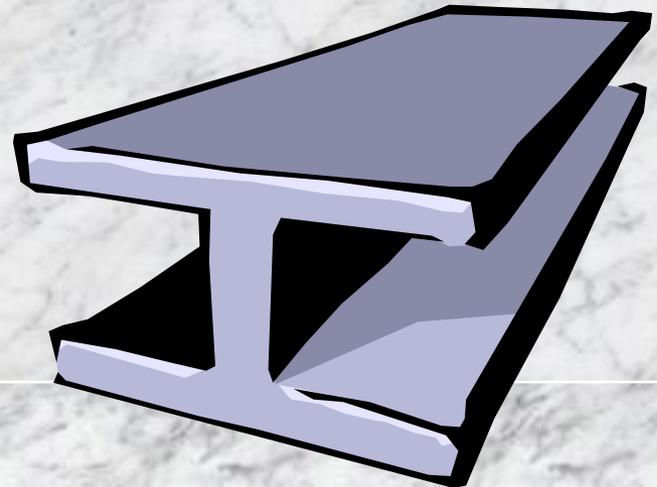
- Course by Course
- Cluster
- Entire Schools

# Iowa Career Pathways

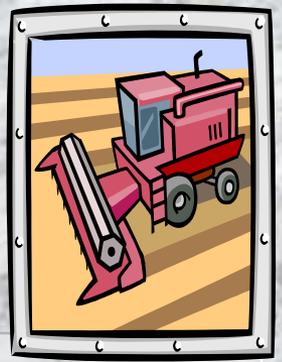
- Engineering and Industrial Technologies
- Agriscience and Natural Resources
- Family, Consumer, and Human Services
- Health Services
- Arts, Media, and Communications
- Business, Information Systems, and Marketing

# Standards--Engineering and Industrial Technologies

- Understands and uses basic drafting techniques
- Use computer and peripheral devices to aid in the documentation for design projects
- Apply technical drawing skills to actual projects



# Standards--Agriscience and Natural Resources



- Understand problem-solving, analysis, and decision-making in agriculture
- Understand leadership and ethics development in agriculture
- Understand the concept of cooperation and community service/teamwork
- Understand the use of entrepreneurial knowledge and skills in agriculture

# Standards--Family, Consumer, and Human Services



- Evaluate management practices related to the human, economic, and environmental resources
- Integrate knowledge, skills, and practices required for careers in facilities management and maintenance
- Integrate multiple life roles and responsibilities in family, work, and community settings

# Standards--Health Services

- The student will know the academic subject matter required for proficiency in health occupations
- The student will understand how employability skills enhance their employment opportunities and job satisfaction
- The student will understand how their role fits into their department, organization, and overall health care environment



# Standards--Arts, Media, and Communications

- Understand and use the basic fundamentals of the graphic communications industry
- Demonstrate the basic design process



# Standards--Business, Information Systems, and Marketing

- Understand career concepts
- Understand the principles of communication
- Understand economic concepts and strategies
- Understand the concepts of envisioning, creating, operating, and advancing an opportunity within a business environment



# Goals of an ALL ASPECTS Curriculum

- Gaining a better understanding of the industry as a whole
- Understanding the many roles an individual can play in an industry
- Providing a framework for the classroom instructor
- Providing a guideline to share with work-based experts to make the connection between the classroom and workplace more successful

# Strategies for Incorporating All Aspects

- Take inventory of existing projects and classes
- Redesign school curricula
- Encourage school-based enterprises
- Utilize community speakers
- Provide opportunities for field trips
- Develop teacher internships

# More Strategies....

- Expand work-based learning opportunities
  - job shadowing
  - service learning
  - mentoring
  - internship

“All Aspect of the Industry”

What are the benefits to  
students?

# Benefits for Students



- Enriched environment--career and technical/academic integration
- Transition to the workplace from school
- Skills and experiences needed for a variety of workplace tasks
- Transferable skills which expand opportunities
- Components for entrepreneurship and management