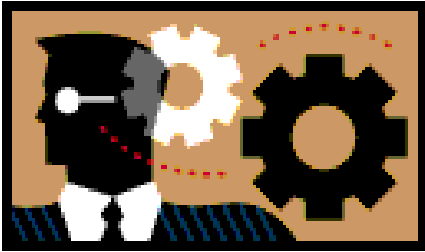# CRITICAL THINKING

Time Required: 30-45 minutes

Principles:

- Students will complete school with the academic rigor and preparation essential to choose from a wide range of substantial post-secondary options, including college.

Objectives (Students will…):

- Learn and apply critical thinking skills.

GOAL: Students will use deductive reasoning and creative thinking skills to create a new invention.

Activity Statements: Students will work together in teams to brainstorm about something that has not been invented yet that could be the next 21st Century rage.

Materials:

Pencils, paper, hand held computers, calculators, classroom computers, cell phones, brain power
Handout 1 "Thinking Skills Worksheet"
Handout 2 "Higher Order Thinking Skills"

Procedures:

- Have students number off 1, 2, 3, 4, 5.
- Put all the 1s in a group, all the 2s in a group, etc.
- Ask students to brainstorm about something they could invent that would be used widely in the world.
- Give group 10 minutes to brainstorm and agree on an idea.
- Give students an additional 10 minutes to plan how they would create/manufacture/market the product.
- Allow time for each group to give a one minute summary of their invention.
- Ask students to review Handout 2 as a reference for completing Handout 1.
- Have students complete Handout 1 as a group and discuss level of thinking skills used in exercise.

Discussion:

- Ask students to discuss more ways to use higher order thinking skills in school.

Critical Thinking

Additional Resources:

http://www.studygs.net/crtthk.htm
http://www.thinkfinity.org/StudentHome.aspx

Extension Activities:

Explore above websites and complete activities to improve higher order thinking skills.

Activity:

Have students discuss what careers did not exist 10 years ago and what careers might exist in the future that do not exist now? Have students review the careers in their favorite Career Cluster and estimate which ones are the newest.

Resources:

Lesson Plan – Changing World, Changing Careers (note: this lesson was referenced in ADVISORY lesson 10.12)