

# TPJ Technology

## Project Name—First-Aid Poster

**Context:** Students will comprehend concepts related to health promotion and disease prevention. Students will explain the relationships between personal health behaviors and the prevention of injury, illness, disease, and premature death

**Design Brief:** To design and create a poster.

**Possible Solutions:** List as many possible (alternative) solutions to achieve the goal of the Design Brief. Have instructor demonstrate/explain the process. Have another student explain the process. Read a manual and text. Pay someone to do the work. Buy a poster...

**Design Constraints:**

1. You will work individually.
2. You will prepare a project report on creating your poster (see project report outline).

**Detail Design:** The following are the steps for the task:

1. From a box, you will choose a first aid emergency topic. The topics will include the following:

<i>Anaphylactic Shock</i>	<i>Burns</i>	<i>Heat Exhaustion</i>
<i>Insect Bites &amp; Stings</i>	<i>Frostbite</i>	<i>Triage &amp; MCI</i>
<i>Animal Bites</i>	<i>Sprains</i>	<i>Dislocations</i>
<i>Poisoning</i>	<i>Diabetic Emergencies, Diabetic Coma</i>	<i>Heat Stroke</i>
<i>Asthma Attacks</i>	<i>Heart Attack</i>	<i>Wounds and Bleeding</i>
<i>Fractures</i>	<i>Traumatic Shock</i>	<i>Electric Shock</i>
<i>Hypothermia</i>	<i>Diabetic Emergencies, Insulin Shock</i>	
2. You will create a one-page poster for your topic. Feel free to use Word Art & fancy fonts. Make sure that your heading is **BIG & BOLD**.
3. Create a box under your heading for the definition.
4. Create four boxes for each of the main ideas. They do not need to be the same size. Your four main ideas are *causes*, *symptoms*, *treatment*, and *prevention* (see sample mini poster).
5. Each box should contain the appropriate main idea; main ideas should be:
  - a. centered
  - b. in upper case letters
  - c. bold print
6. List the supporting details under each main idea in each box. Details should:
  - a. bulleted
  - b. not be upper case
  - c. not be bold
7. Each of the 4 main idea boxes should contain 2 pictures that portray the message(s) of the supporting details.
  - a. Either use clip art or graphics you find using a Google Image Search (set preferences for Strict Filtering)
  - b. Using Google Images, you need to right click, and then select “save the image as” in your student network folder.
8. Put borders on your boxes and personalize the first aid poster so that it is aesthetically pleasing. Make it ‘Top Drawer’!
9. Be prepared to present your poster to the class.

**Materials:** List all of the materials you used to create your poster.

**Commissioning:** Were you successful in this project when you tried it out?

**Evaluation:** Did this project work as you expected it to?

**Reflection:** Did you enjoy this project? What were you most proud of? What would you do differently next time?

# FAINTING

Jane Doe — TPJ May 18, 2010

*A brief loss of consciousness that happens suddenly as a result of the blood flow to the brain being interrupted*

## CAUSES

- ◆ Emotional distress
- ◆ Standing too long without moving
- ◆ Improper nutrition
- ◆ Excess heat
- ◆ Limited air circulation
- ◆ Occasionally, the sight of blood



## TREATMENT

- ◆ Prevent patient from falling



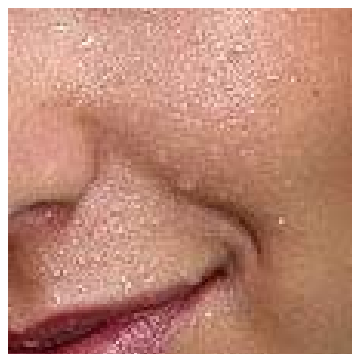
- ◆ Have patient lie down
- ◆ Elevate feet 8-12 inches (20-30 centimeters)
- ◆ Loosen tight clothing
- ◆ Place cool wet cloth on forehead



- ◆ If patient has fainted, monitor ABCs
- ◆ Attempt to wake patient

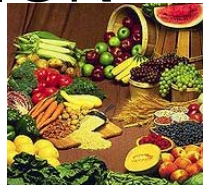
## SYMPTOMS

- ◆ Patient reports seeing spots or things going grey
- ◆ Dizziness
- ◆ Nausea
- ◆ Pale skin
- ◆ Sweating
- ◆ Weakness



## PREVENTION

- ◆ If prone to fainting, know and avoid triggers
- ◆ Eat proper nutrition at regular intervals
- ◆ If you need to stand motionless for extended periods, do not lock your knees and frequently shift your weight
- ◆ Keep environment cool, with adequate air movement
- ◆ Recognize early symptoms and take measures to prevent falling and sustaining additional injuries.



Worksheet

Title:

\_\_\_\_\_ — TPJ \_\_\_\_\_, 2009

*Definition*

CAUSES

♦

TREATMENT

♦

SYMPTOMS

♦

PREVENTION

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