

Improving Student Literacy through CTE

Kristen Maher, English Integration Teacher
Crockett Career and Technical Center - Detroit, MI



2 Simple Rules

1. Teach the language of your profession
2. Make reading a hands-on activity



Direct Vocabulary Instruction

- It is one of the most underused teaching strategies, but one of the most effective in building reading comprehension.
- It is believed by some to be one of the most important instructional interventions, particularly with low-achieving students.
- There is a strong correlation between vocabulary and intelligence, one's ability to comprehend new information, and one's level of income.

Marzano, R. J., Pickering, D. J., & Pollock, J. E. (2001). *Classroom Instruction that Works: Research-based Strategies for Increasing Student Achievement*. Alexandria, VA: Association for Supervision and Curriculum Development.



How We Learn New Words

- We learn about 8 new words a day.
- It takes at least 6 and as much as 15 interactions with a word to begin to learn it.
- At all levels, a person must see, hear, say, write, and discuss words to learn them. They should be a combination of simple and complex interactions.
- Direct vocabulary instruction of critical terminology increases student comprehension by 33 percentile points.



Marzano, R. J., Pickering, D. J., & Pollock, J. E. (2001). *Classroom Instruction that Works: Research-based Strategies for Increasing Student Achievement*. Alexandria, VA: Association for Supervision and Curriculum Development.

Surround your students with industry terminology

Developing an effective word wall:

- Choose those words that are essential to your discipline and/or key concepts
- Put it in a location where every student can see it
- Make sure the words are large enough for everyone to read
- Continuously add to and/or periodically change the words on your word wall
- Post a word wall in both your classroom and work room



Make students own the language of the profession

Interacting with the words regularly and in varied ways:

- Quick Write
- Around the World
- Group & Label
- Bonus Bucks
- Hot Potato
- Slap!



Common Medical Roots

arterio

cost

derma

geront

lipo

pneumo

myo

cephalo

thoraco

hepato

cerebro

arthro

gastro

neuro

rhino

ven, phlebo

cyst

cardio

nephro, reno

oto

cranio

hema

ophthal, oculo

cyto

entero

osteo

Make Reading a “Hands-On” Experience

- Make it active
- Force students to THINK about what they are reading
 - before they read
 - during their reading
 - after they finish the reading
- Set a purpose











Let's Roll Up Our Sleeves and Read!

Before Reading

- Anticipation Guide
- Text Survey



Anticipation Guide

Before Reading: Agree/ Disagree	Statement	After Reading: Agree/ Disagree	Evidence/Support
	<p><i>Health care is affected mainly by criminal law.</i></p> <hr/> <hr/>		
	<p><i>If a physician fails to give a tetanus shot to a patient who has gotten a puncture wound, it is considered negligence.</i></p> <hr/> <hr/>		
	<p><i>Patients have the right to refuse care by a health care professional.</i></p> <hr/> <hr/>		
	<p><i>A health care worker does not need written permission from a patient in order to send the patient's information to an insurance company.</i></p> <hr/> <hr/>		

Strategy source: Forget, M. A. (2004). *MAX Teaching with reading and writing: classroom activities for helping students learn new subject matter while acquiring literacy skills*. Victoria, BC: Trafford Publishing.

Let's Roll Up Our Sleeves and Read!

During Reading

- Cornell Notes
- Color-Coded Connections



Activate student knowledge with Color-Coded Connections

Red = personal connections

Orange = classroom connections

Green = popular culture connections

Blue = emotional reactions



15:1

INFORMATION Providing First Aid

In every health care career you may have experiences that require a knowledge of first aid. This section provides basic guidelines for all the first aid topics discussed in the remaining sections of this unit. All students are strongly encouraged to take the First Aid Certification Course through their local Red Cross to become proficient in providing first aid.

First aid is not full and complete medical care. Rather, **first aid** is best defined as "care that is given to the victim of an injury or illness to minimize the effect of the injury or illness until experts can take over." Application of correct first aid can often mean the difference between life and death, or recovery versus permanent disability. In addition, by knowing the proper first aid measures, you can help yourself and others in a time of emergency.

C In any situation where first aid treatment is necessary, it is essential that you remain calm. Avoid panic. Evaluate the situation thoroughly. Always have a reason for anything you do. The treatment you provide will vary depending on the type of injury or illness, the

environment, others present, your own skills, supplies on hand, and the availability of professional help. Therefore, it is important to be aware of all these factors and that appropriate action is necessary.

The first step of first aid is to determine if an emergency exists. Many senses can alert you to an emergency. Listen for unusual sounds such as screams, calls for help, breaking glass, screeching tires, or changes in machinery or equipment noises. Look for unusual sights such as an empty medicine container, exposed electrical wires, a stalled car, smoke, or motionless, blood, or other signs. Watch for any unusual, unfamiliar, or suspicious signs such as those of chemicals, natural gas, or pungent fumes. Watch for unusual behaviors in others such as dizziness, sweating, clutching of the chest, pale or blue skin colors, slurred or confused speech, unexplained confusion or drowsiness, rapid respiration, signs of pain, and obvious signs of distress. Sometimes, signs of an emergency are clearly evident. An example is an automobile accident with victims in cars or on the street. Other times, signs are less obvious and require an alert individual to note that something is different or wrong. An empty medicine container and a small child with slurred speech, for example, are less obvious signs.

My teacher spoke about these indicators during our first workshop safety lesson.

Understanding the consequences really makes me realize how important it is to know first aid.

On the last episode of Mystery Diagnosis, a woman showed some of these signs.

My mom got into a car accident last year, and I remember having to be careful of other cars passing by.

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After Reading

- Visualize & Organize
- Cartoon Strips
- Stump the Teacher



Contact Information

Kristen Maher

Crockett Career and Technical Center

(313) 347-8013

kristen.maher@detroitk12.org

