

Literacy T-Chart Cornell Notes

CIP 46.0399 Electrical and Power Transmission Installers, Other

Identify and summarize key ideas and supporting details of texts.

Program Task:	PA Core Standard: CC.3.5.11-12.B
402: Identify blueprint symbols.	Description: Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.

Program Associated Vocabulary:	Reading Associated Vocabulary:
Program Associated Vocabulary: Blueprint reading Drawing basics Types of drawings Drawing sizes Title blocks Revision blocks Grid system	Reading Associated Vocabulary: Summary Paraphrase Key Ideas Details

Program Strategy:	Literacy Strategy:
<p>Use the Cornell Notes strategy to ensure that students develop good notes that differentiate between central ideas and supporting details.</p> <p>After introducing the Cornell Notes strategy and before starting the assignment, present the following prompt to the students:</p> <p><i>You have recently been hired as the training manager of a residential building company. Your company received a bid to build a new subdivision of homes. You will be interviewing candidates for the position of electrical and power transmission installers. As training manager, your first task is to develop a pre-interview test to administer to candidates.</i></p>	<p><i>Whole Group</i></p> <p>Introduce the concept of Cornell Notes by sharing a short passage with students and modeling how to locate the main idea and supporting details. You can mark the passage by underlining, circling or highlighting the main ideas and details. Have students look for the topic or thesis statements to identify the points.</p> <p>To further practice differentiating between levels of ideas, provide a list of statements and have students group them. Some statements should be key ideas and others support for the ideas. You can provide this on a sheet of paper or have slips for students to manipulate. One example is below (each cell would be a different slip), although you can choose different statements from your content area.</p>

Program Strategy:

This pre-interview test will measure their accuracy on identifying blueprint symbols. The layout of the electrical, lighting, data, HVAC and plumbing locations will have a big impact on whether a home turns out to be a well-designed home, and you want to make sure new installers have this critical knowledge.

Research residential construction blueprint symbols used by electrical and power transmission installers and compose a pre-interview test. Keep your notes in the Cornell Notes format. Determine the most effective way to organize the information so that it can be searched quickly.

Brainstorm with students the format and content for this pre-interview assessment. Use the brainstormed list to generate a list of potential search terms.

Provide students with the opportunity to research blueprint symbol resources through on-line sources or electrical and power transmission installer manuals or textbooks, as available.

Monitor student work by checking whether they are

- Documenting sources
- Identifying key ideas and supporting details
- Writing concise and accurate summaries

As needed, offer coaching to help students stay on track.

As an extension, have students present their electronic notebooks to an authentic audience of company officials or attorneys. Students can use the feedback to improve their products.

As desired, you may have students prepare the screening test.

Literacy Strategy:

Healthy food choices provide energy for daily activities.	Four main food groups should be eaten at each meal.
	A full day's menu should be a balance of food types.
Snacks can be a part of healthy living.	Healthy snacks can reduce the possibility of tiredness.
	Fresh fruit and protein are good choices for snacks.
Healthy lifestyles require enough hydration.	Drink 64 ounces of fluid a day.
	Healthy liquids can include water and other drink that are not heavy in sugar or caffeine.

Have students share their groups and explain their choices.

Guided Practice

Provide student pairs with two different but related articles. Have each student read and mark one text. After reading, have students determine the "big ideas" to go in the left column. They then add information from both articles to the right column. Make sure the students note which information comes from which source.

After completing their notes, have teams collaborate to write a brief summary statement at the bottom. You may limit the summary in some way (e.g., one sentence, 25 words or less).

Application

Provide students with a foundational text on the topic or have them locate a relevant article. Have them complete a Cornell Notes sheet for what they learn from the passage. They will continue to take notes throughout a project or module. Notes will be essential for completing writing tasks or taking a summative assessment.

Program Strategy:	Literacy Strategy:
	<p>In debriefing, use the following questions:</p> <ul style="list-style-type: none"> • How did you (your group) decide which were main ideas and which were supporting details? Think about your thinking – Why did you categorize them the way you did? • Why is it helpful to organize notes this way? • Why is it important to summarize the notes? <p>Listen for:</p> <ul style="list-style-type: none"> • Understanding why knowing the difference in key ideas and supporting details is important. • It is important to have these notes for writing and studying for tests. • This activity is teaching the skill of classification.

Instructor’s Script – Cornell Notes

Being able to correctly differentiate between key ideas and supporting details is an important skill. The Cornell Notes strategy allows students to record and categorize information for quick retrieval.

The Cornell Notes model provides a visual map for students to review content notes. It can easily be folded so that students focus on either “big ideas” or more detailed notes. The summary at the bottom is a quick reference resource.

It is critical that students record sufficient information that they can locate the original source from which the notes were taken. Students may use these notes as preparation for writing that would require documentation. They may also need to refer to the original source(s) for clarification.

Common Mistakes Made by Students

Students sometimes miss the larger organizational structure of texts and therefore confuse whether statements are main ideas or supporting details. They then value all ideas equally, not understanding that some are more important than others. Cornell Notes force students to make those distinctions.

Students also sometimes confuse summarizing and paraphrasing. A summary is always shorter than the original text and contains only the most important ideas. A paraphrase might be as long as or longer than the original, but it restates the ideas in a student’s own words. Paraphrasing helps students avoid plagiarizing.

CTE Instructor’s Extended Discussion

In this lesson, students are preparing a resource for future reference, potentially by themselves and others. For that reason, it is important that notes are as thorough as possible. While illustrations and abbreviations are helpful, they need to stand the test of time. That is, if the notes are to be used as references weeks in the future, the reader would still be able to understand the information.

This is a highly technical program area and specific task. For that reason, vocabulary will be critical. Ensure that students can define technical language, even if they have to access another resource for that information.

Sample Questions

Career and Technical Concepts

Question	Answer
What symbol is normally used for duplex receptacles? A. Circle with two parallel lines drawn through it B. Circle with one line drawn through it C. Square box with an X drawn inside D. Square box with the letter R next to it.	A. Circle with two parallel lines drawn through it

PA Core Reading Concepts

Question	Answer
Which would be an accurate summary of the paragraph below? While Netscape, Ballmer and DVDs have largely been replaced over the past 22 years, Craigslist.org has persisted as one of the last true dot.com era holdovers to still dominate the web. The online classifieds service was the 46 th most visited website in the U.S. in March, according to comScore, attracting some 59 million unique visitors – more than Expedia.com and the website for the <i>Wall Street Journal</i> . It's also an incredibly successful business, bringing in enough money by Forbes estimates to make Craig Newmark a billionaire. (<i>Forbes</i> , May 6, 2017) A. Craigslist remains a popular and successful web service. B. Netscape, Ballmer and DVDs have been replaced by Craigslist. C. Craig Newmark is a billionaire because of his website. D. Craigslist attracts more than 59 million visitors.	A. Craigslist remains a popular and successful web service.