

Math-in-CTE Lesson Plan Template

Title:	Guest Check Preparation		Lesson # 12
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Conceptual	Guest Services		
Concept(s):	Prepare a guest check		
Concepts:	Adding, Multiplication, & Percents		
Objective:	Teach students to prepare guest checks not using POS technology		POS (Point of Sale)
Materials Needed:	Guest check template, pencil, calculators, menu, vocabulary list, state tax rates, sales tax worksheet, grocery receipts		

The "7 Elements"	Teacher Notes (and answer key)
<p>Practice the CTE lesson</p> <p>Review guest checks and go over all parts. Go over math vocabulary</p> <p>Review the menu and go over where to find important information on the menu.</p>	<p>Guest checks & menu attached.</p> <p>Vocabulary list attached</p> <p>Students read vocabulary list out loud</p> <p>Teacher and students go over all parts of guest check, explaining where each item should be placed.</p> <p>Menu's important information is on the menu.</p>

<p>s students' math awareness as it relates to the CTE</p> <p>. (food) items to get one total.</p> <p>he total by the states tax rate.</p> <p>total food cost plus the tax rate to get to guest check</p>	<p>Ask the students if they have ever wondered how to calculate sales tax. Ask them if they ever thought about why they pay more than what the cost of the menu items are?</p> <p>Ask the above question and have the students write their opinions on a piece of paper. Have the students share their answers with one another.</p> <p>The first step is to have the students add up (food) items. Then have the students add up another set of items. Add these totals.</p> <p>Once you have the totals, identify appropriate tax rate. Multiply the totals by the percent of the tax rates and then add these numbers together.</p>
<p>through the math example <i>embedded</i> in the CTE lesson.</p> <p>the math vocabulary within the guest checks</p> <p>ctions:</p>	<p>a) refer back to the vocabulary hand out</p> <p>b) Addition, Multiplication, percent</p> <p>c) finding state tax rate</p> <p>Follow the direction that where explained to the student in element #2.</p>
<p>through <i>related, contextual</i> math-in-CTE examples.</p> <p>a general grocery store list of items. Some items are taxable and some items are not taxable. What makes an item taxable.</p>	<p>Bring in a grocery store list of items. Some taxable some not. Discuss which items are and are not taxable and why and how. Have the students add up the taxable items. Then add that sum the (multiplied) tax rate. Next add up the non-taxable items. Combine the two totals to get the total of your grocery bill. If you have different ability student, you can give them different shopping lists.</p>
<p>through <i>traditional math</i> examples.</p> <p>student work on the "Sales Tax Worksheet"</p>	<p>http://www.raymondgeddes.com/lesson-plans/math-lesson-7/calculating-sales-tax-all.html</p> <p>Maine has a 5% general, service provider and use tax. The <u>lodging and prepared food</u> is 7% and short term auto rental. These are all generally known as "sales tax".</p>
<p>ts demonstrate their understanding.</p>	<p>Guest check and menu are attached.</p>

demonstrates a proper guest check calculations and then work through a problem.	
assessment. down a large party into separate guest checks so that a t has one original order (guest check) into the kitchen, vided up separately to the individual customers.	<p>Student transcribes individual data from master guest che into individual guest check templates. Student makes sep guest checks by calculating the individuals personal orde then adding on the state tax rate. The students need to ch make sure that the total of all the individual guest checks to the to correct total.</p> <p>This can be done two ways. You can have your students order off the menu and have one large order that then nee be broken up by smaller groups/individual or you can cre menu ahead of time for them to work off of.</p>