



<input checked="" type="checkbox"/>	Reason abstractly and quantitatively. (MP.2)	<input checked="" type="checkbox"/>	Attend to precision. (MP.6)
<input type="checkbox"/>	Construct viable arguments and critique the reasoning of others. (MP.3)	<input type="checkbox"/>	Look for and make use of structure. (MP.7)
<input checked="" type="checkbox"/>	Model with mathematics. (MP.4)	<input type="checkbox"/>	Look for and express regularity in repeated reasoning. (MP.8)
LEARNER OUTCOME(S)		ASSESSMENT TOOLS/METHODS	
<p>Students will be able to:</p> <ul style="list-style-type: none"> Summarize data sets (career wages and education) using median and range Draw a graph to represent a career data set and solve one to two step problems using information presented on the graph 		<p>Formative:</p> <ul style="list-style-type: none"> Teacher walks around the room checking for student understanding, completion <p>Summative:</p> <ul style="list-style-type: none"> Students complete <i>Occupation Educational Training Levels and Median Wages</i> with 80% accuracy 	
LEARNER PRIOR KNOWLEDGE			
<ul style="list-style-type: none"> Students can calculate using a TI 30-XS Calculator Students can access the internet using computers 			
INSTRUCTIONAL ACTIVITIES		RESOURCES	
<p>1. Write the following on the board:</p> <ol style="list-style-type: none"> What jobs have the most openings each year? What are the salaries for those jobs? What kind of degree (if any) do you need? <p>Teacher writes responses on board. Explain that we will analyze these jobs later in the lesson.</p>		<p>Chalk/white board</p> <p>Paper, pencils for student use</p> <p>Computers with Internet access for student use</p> <p>Projector, ability to project</p>	



<ol style="list-style-type: none">2. Handout <i>Line Graphs</i> to students from <i>Common core achieve: Mastering essential test readiness skills</i> (Mathematics) and complete as a class.<ol style="list-style-type: none">a. Instruct students to complete <i>Think About Math</i> section. Observe students as they work and answer questions.3. Handout 2012-2022 Snapshot of Occupational Projections<ol style="list-style-type: none">a. Give students a few minutes to review the handout.b. Ask students to point to “Select Occupations by Educational and Training Level” Column.c. Teacher walks around room to ensure all students have found the correct column.4. Handout <i>Occupation Educational and Training Levels and Median Wages</i><ol style="list-style-type: none">a. Define Median as a class (middle salary, wage after I have been working at a position a few years, etc.)b. Using the overhead projector, display <i>Occupation Educational and Training Levels and Median Wages Teacher Example</i>c. OR Complete a blank handout together as a classd. Ask: “Are there any questions?”5. Direct students to complete their handout: <i>Occupation Educational Training Levels and Median Wages</i> using the <i>2012-2022 Snapshot of Occupational Projections</i> handout.<ol style="list-style-type: none">a. Teacher walks around the room and assists students.b. Teacher collects completed worksheets and checks for mastery.	<p>Student copies of <i>Line Graphs</i> <i>Common core achieve: Mastering essential test readiness skills</i> (Mathematics). (2015). Columbus, OH: McGraw-Hill Education.</p> <p>Student copies of <i>2012-2022 Snapshot of Occupational Projections</i> Ohio Department of Jobs and Family Services. (n.d.). 2012-2022 Snapshot of Occupational Projections. Retrieved from http://www.odjfs.state.oh.us/forms/file.asp?id=2250&type=application/pdf</p> <ul style="list-style-type: none">• This document can be ordered for free at http://www.odjfs.state.oh.us/forms/findform.asp?formnum=77100 <p>Student copies of <i>Occupation Educational and Training Levels and Median Wages</i> (attached)</p> <p>TI 30-XS Calculators for student use</p>
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	DIFFERENTIATION <ul style="list-style-type: none">• Assist students who are having difficulty using the computer, internet, and/or calculator• Students can work individually, in pairs, or small groups• Pair lower level learners with higher level learners• Rulers to help complete graphs
Reflection	TEACHER REFLECTION/LESSON EVALUATION
	ADDITIONAL INFORMATION



Occupation Educational and Training Levels and Median Wages

Use 2012-2022 *Snapshot of Occupational Projections* to complete the information below:

1. Occupation: _____
Educational and Training Level: _____
Median Wage: _____
2. Occupation: _____
Educational and Training Level: _____
Median Wage: _____
3. Occupation: _____
Educational and Training Level: _____
Median Wage: _____
4. Occupation: _____
Educational and Training Level: _____
Median Wage: _____
5. Occupation: _____



Educational and Training Level: _____

Median Wage: _____

Occupation Educational and Training Levels – Graphing Activity



Occupation Median Wages – Graphing Activity

Analyze the data from your graph and answer the following questions:

1. What trends do you see? Describe 3 trends.

2. What is the range of wages? (the largest wage – the lowest wage)

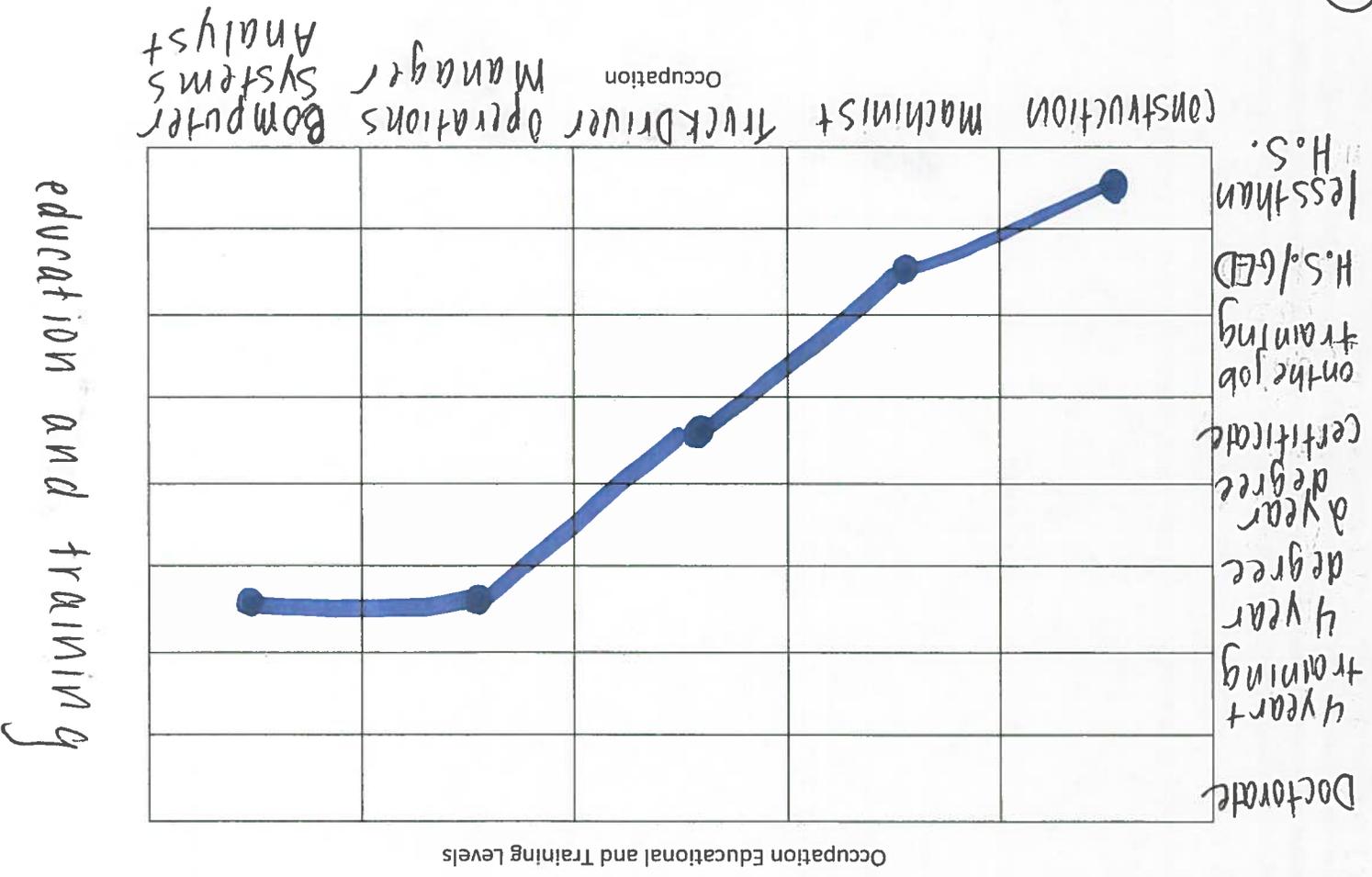
Occupation Educational and Training Levels and Median Wages

Use the Occupational Trends Pamphlet to complete the information below:

<http://www.odjts.state.oh.us/forms/iform.asp?formnum=77100>

1.	Occupation: Construction laborers	Educational and Training Level: less than High School	Median Wage: \$17.56
2.	Occupation: Machinist	Educational and Training Level: High School diploma/GED	Median Wage: \$18.22
3.	Occupation: Truck Driver	Educational and Training Level: Post-secondary non-degree	Median Wage: \$18.44
4.	Occupation: Operations Manager	Educational and Training Level: Bachelor's degree	Median Wage: \$43.15
5.	Occupation: Computer Systems Analyst	Educational and Training Level: \$37.29	Median Wage: Bachelor's degree

Occupation Educational and Training Levels and Median Wages



Occupation Educational and Training Levels and Median Wages

Analyze the data from your graph and answer the following questions:

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