

Name: _____

Math Lesson 1: Student Worksheet

The objective of this activity is to help you understand how income is affected by various levels of education.

- Log on to <http://www.indianacareerexplorer.org/>. Select **Sign In** and then enter your username and password. Next, click **Sign Me In**.
- Select the **Explore Occupations** left navigation menu, then click **Occupations Suggested by National Career Clusters and Pathways**.
- By hovering over the icons in the **Explore Occupations Suggested by National Career Clusters and Pathways** section, click on the icon of the career cluster that interests you most and identify an appealing career pathway from the list below. Write the cluster and career pathway names here:

High School Completion

- Click on the title of the career pathway you find most appealing. From the education level drop-down, deselect **All Education Levels** and check mark the **High School Completion** box to view available occupations that require a high school diploma. Then click **Apply Filters** to search.
- Click on a job title that interests you and write it here: **If no occupations are listed, write "None."*

- Look under **Salary & Outlook** and fill in the blanks below based on information for your state:

**If no salary information is listed, write "None."*

✓ 10th Percentile: _____ Median: _____ 90th Percentile: _____

Associates Degree or Certificate

- Use the **Occupations Suggested by National Career Clusters and Pathways** left navigation link to return to the clusters page. Select the same career cluster and career pathway as before.

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- From the education level drop-down, deselect **All Education Levels** and check mark **Associates Degree or Certificate** to view titles of occupations that require some additional training or education beyond high school. Then click **Apply Filters** to search.
- Click on a job title that interests you and write it here: **If no occupations are listed, write "None."*
- Look under **Salary & Outlook** and fill in the blanks below based on information for your state:

**If no salary information is listed, write "None."*

✓ 10th Percentile: _____ Median: _____ 90th Percentile: _____

Four-Year Degree

- Use the **Occupations Suggested by National Career Clusters and Pathways** left navigation link to return to the clusters page. Select the same career cluster and career pathway as before.
- From the education level drop-down, deselect **All Education Levels** and check mark **Four-Year Degree** to view titles of occupations that require a four-year education. Then click **Apply Filters** to search.
- Click on a job title that interests you and write it here: **If no occupations are listed, write "None."*

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- Look under **Salary & Outlook** and fill in the blanks below based on information for your state:

**If no salary information is listed, write "None."*

✓ 10th Percentile: _____ Median: _____ 90th Percentile: _____

Comparing Income

- Compare the salary differences based on education and training. Fill in the following income amounts:

	High School	Associate Degree	Four-Year
10th Percentile	a) _____	b) _____	c) _____
Median	d) _____	e) _____	f) _____
90th Percentile	g) _____	h) _____	i) _____

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1. What is the 10th Percentile salary difference between a Four-Year Degree and High School Completion? c) _____ - a) _____ = _____

How much would that add up to over a 40-year period?

(answer from previous question) _____ x 40 = _____

1. What is the Median salary difference between a Four-Year Degree and an Associate Degree or Certificate? f) _____ - e) _____ = _____

How much would that add up to over a career of 40 years?

(answer from previous question) _____ x 40 = _____

2. What is the 90th Percentile salary difference between an Associate Degree or Certificate and High School Completion? h) _____ - g) _____ = _____

How much additional money would you make over a ten-year period (assuming that these were the last 10 years before retirement)?

(answer from previous question) _____ x 10 = _____

- Based on this information, do you feel that it is worthwhile to get additional education after high school? Why or why not?
