**ICS -Exploring Pathways Related to Computers and Computer Science**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Goal:** *Use myBlueprint to explore jobs and careers related to computers and computer science.*

*Follow the instructions carefully, and fill-in information in the space provided. You will need your headphones for one part of this activity.*

Logging Into **myBlueprint**

1. Go to the website: <https://www.myblueprint.ca/simcoe>
* Enter your school email address in the first textfield of the green box (Format: name1234@scdsb.on.ca)
* Enter your password in the second textfield of the green box. If you cannot recall your password, click on the “Forgot your password?” phrase and it will be sent to your email for recovery.
* Click on the “Login” button

Looking at Careers Related to Computers and Computer Science

1. From the menu on the left hand side of the screen select ‘Work’ then Occupations.
2. A new screen appears where you can enter an occupation or a keyword to search for.
	* Type in: **computer**
	* Click “Search”
3. A list of jobs related to computers appears.
* How many pages for the list? \_\_\_\_
* How many jobs listed in total? \_\_\_\_
* What is the first job listed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the last job on the second page listed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Select “Computer Programmer”. A new window will appear. Read through the information and look at the diagrams pertaining to this career choice.

	* What is the basic job description for a computer programmer? Read the *Overview* as well as the *Main Duties*  and summarize in two – three sentences.

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* + What is the average Canadian salary for a programmer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ How many more computer programming jobs will be added from this current year to five years from now? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ List two places a programmer may need to work in. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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	+ List three kinds of firms/departments that may hire a programmer. Give a real example of each kind (you may need to find this out using Google).

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* + What are the various educational requirements for computer programming? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Watch the videos. They provide some information but are quite dated (notice the monitors).

**Note**: We believe there are errors regarding the bar charts related to Job Seekers versus Job Openings. According to Business Canada, Maclean’s, Forbes and a number of reputable firms, there are far more computer programming jobs than there are qualified people to fill them. (Check out the code.org video)

1. Return to the list of computer-related jobs by hitting the back arrow of the browser or the gray back arrow of *myBlueprint*.
2. Select two more computer related jobs from the list that you may be interested.
	* Feel free to explore several before deciding on the other two.
	* Once you have the two, click the to **compare** two of the jobs. The jobs will appear at the top of the page. Click on the Blue Compare button.
3. Create a table similar to the one below in Word. Fill in the table with information regarding your two choices. Use your own words wherever possible.

|  |  |  |
| --- | --- | --- |
|  | Job 1 | Job 2 |
| Job Title |  |  |
| Job Description |  |  |
| Average Canadian Salary |  |  |
| Number of Jobs in Canada for 2016 |  |  |
| Duties/skills |  |  |
| Number of Jobs in Canada for 2020 |  |  |
| Work Environment |  |  |
| Who Might Hire? |  |  |
| Related Careers? |  |  |
| Video – three interesting points/facts |  |  |
| Educational Requirements |  |  |

1. Any comments or thoughts about computer related careers after completing this activity?

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1. Congratulations. You just started the journey of exploring career possibilities. Log out of *myBluePrint*. Hand in this completed document.