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| **Subject:** | Math |
| **Title:** | Goals and Assists Point to Success! |
| **Grade Level:** | 5 |
| **Purpose:** | Students compare the Team Canada player standings for the 2018 and 2019 World Junior Tournaments in a double bar graph. |
| **Curricular**  **Connections:** | * Collect, display and analyze data to solve problems. * Construct and interpret double bar graphs to draw conclusions. |
| **Materials:** | * Access to the Internet. * **“Goals and Assists Point to Success”** handout * Graphing sheet |
| **Activity:** | 1. Review a basic bar graph, how the information is organized, and how to properly label it. 2. Explain how double bar graphs build on this concept by adding an extra bar to each label on the graph. 3. Have students brainstorm what double bar graphs might be used for. 4. Students look at the top 5 Team Canada players from the 2018 World Junior Tournament and compare them with the top 5 players from this year by creating a double bar graph. 5. Students answer questions related to the data they have collected. 6. Distribute the **“Goals and Assists Point to Success”** handout. Read through handout. Check for understanding. 7. Students use various colours and labeling to correctly display data. For example, they may want to do 2018 and 2019 in different colours or use different shades to show goals vs. assists. 8. Teacher can choose to provide students with the information or to have them research it on their own. |
| **Extension:** | Students create double bar graphs of the top 5 players in the same year on other teams, such as the Finnish team, to compare with the Canadian team. |
| **Assessment:** | Student is able to:   * Correctly construct a double bar graph using appropriate data. * Analyze data to draw conclusions. |

**Goals and Assists Point to Success!**

Use the data below to create a double bar graph comparing the points scored by the top 5 players in the standings.

**Team Canada Player Standings for 2018 World Juniors (1st place overall):**

| **League Standing** | **Player** | **Goals** | **Assists** | **Total Points** |
| --- | --- | --- | --- | --- |
| **1st** | **Jordan Kyrou** | **3** | **7** | **10** |
| **2nd** | **Sam Steel** | **4** | **5** | **9** |
| **3rd** | **Cale Makar** | **3** | **5** | **8** |
| **4th** | **Drake Batherson** | **7** | **0** | **7** |
| **5th** | **Brett Howden** | **3** | **4** | **7** |

**Research Team Canada Player Standings for 2019 World Juniors:**

| **League Standing** | **Player** | **Goals** | **Assists** | **Total Points** |
| --- | --- | --- | --- | --- |
| **1st** |  |  |  |  |
| **2nd** |  |  |  |  |
| **3rd** |  |  |  |  |
| **4th** |  |  |  |  |
| **5th** |  |  |  |  |

How did Team Canada rank in the 2018 World Juniors? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

What year were the players more successful at scoring points? \_\_\_\_\_\_\_\_

Did Team Canada rank higher in the tournament the same year the players scored more points? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Is there a relationship between total points and Team Canada’s overall standings? Explain. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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