**What Days are the Busiest Days in the Maternity Ward?**

**Objectives:**
- to use statistical data to determine what day of the week and what numerical day of the month most students were born
- to collect data properly in a data table
- to learn how to use a data analysis table
- to create single and multi bar graphs

**Materials:**
- printed calendars for the years that the classes were born
- pencil
- ruler
- calculator
- colored pencils

**Pre-Lab Predictions:** Answer in a complete sentence - recycle the question.

1) What day of the week (Sunday - Saturday) do you think is the busiest in a maternity ward?

2) What numerical day in a month do you think is the busiest in a maternity ward?
Procedure:

1) Using the calendars provided, find the one for the year that you were born.
   Year of birth: ___________________

2) Find your birthday and the day that you were born on.
   Birthday Month: _________________ Numerical Day: _________________
   Day of the Week: _________________

3) Collect the data for your class on the busiest Days of the Week and fill in Table 1.
4) Create a bar graph of Number of Births for Each Day of the Week for your class
   (Figure 1).
   Use a different color for each day of the week.
5) Obtain the data from all other classes in your pod tomorrow.
6) Fill in Table 1 for each of the other classes in the pod and find the totals and
   averages for each of the days.
7) Create a bar graph of Number of Births for Each Day of the Week for the total
   all four classes combined (Figure 2).
   Use a different color for each day of the week.
8) Create a multi-bar graph of Number of Births for Each Day of the Week for each
   class block (Figure 3).
   Use a different for each BLOCK regardless of Day of the Week

Data:
Table 1: Number of Births per Days of the Week by Block

<table>
<thead>
<tr>
<th>Day of the Week</th>
<th># of Births for Block A</th>
<th># of Births for Block B</th>
<th># of Births for Block C</th>
<th># of Births for Block D</th>
<th>Total Number of Births for the Pod (sum)</th>
<th>Avg. Number of Births per Block (sum/4)</th>
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</thead>
<tbody>
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<td>Monday</td>
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</table>

Figure 1: Number of Births per Day of the Week for Block ______ (from Table 1)
Figure 2: Total Number of Births per Day of the Week for Entire Pod (Table 1 Totals)