



<p>This module is designed to help you explore how math affects your life each day.</p>										
<p>3. Explore TWO options from A or B or C and complete ALL the requirements for those options. Keep your work to share with your counselor. The necessary information to make your calculations can be found in a book or on the Internet. (See the Helpful Links box for ideas.) You may work with your counselor on these calculations.</p>										
<p>3A. Choose TWO of the following places and calculate how much you would weigh there.</p>										
<p>3A-1. On the sun or the moon</p>										
<p>3A-2. On Jupiter or Pluto</p>										
<p>3A-3. On a planet that you choose</p>										
<p>3B. Choose ONE of the following and calculate its height:</p>										
<p>3B-1. A tree</p>										
<p>3B-2. Your house</p>										
<p>3B-3. A building of your choice</p>										
<p>3C. Calculate the volume of air in your bedroom. Make sure your measurements have the same units—all feet or all inches—and show your work.</p>										
<p>4. Secret Codes</p>										
<p>4A. Look up, then discuss with your counselor each of the following:</p>										
<p>4A-1. Cryptography</p>										
<p>4A-2. At least three ways secret codes or ciphers are made</p>										
<p>4A-3. How secret codes and ciphers relate to mathematics</p>										
<p>4B. Design a secret code or cipher. Then do the following:</p>										
<p>4B-1. Write a message in your code or cipher.</p>										
<p>4B-2. Share your code or cipher with your counselor.</p>										
<p>5. Discuss with your counselor how math affects your everyday life.</p>										
<p>Completed</p>										
<p>Presented</p>										