<table>
<thead>
<tr>
<th>Item #</th>
<th>Survey Item Wording (FREQUENCY OF USE)</th>
<th>Math Educators MEd</th>
<th>Tech Educators (TEd)</th>
<th>Technicians</th>
<th>Whole Group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MEd Rank</td>
<td>MEd Mean</td>
<td>TE Rank</td>
<td>TEd Mean</td>
</tr>
<tr>
<td>3</td>
<td>Take measurements using physical tools or instruments (Freq)</td>
<td>1</td>
<td>4.80</td>
<td>1</td>
<td>4.79</td>
</tr>
<tr>
<td>26</td>
<td>Use blueprints, diagrams, drawings, flow charts, or schematics (Freq)</td>
<td>7</td>
<td>4.56</td>
<td>2</td>
<td>4.61</td>
</tr>
<tr>
<td>28</td>
<td>Use metric (or SI) prefixes (Freq)</td>
<td>3</td>
<td>4.68</td>
<td>7</td>
<td>4.35</td>
</tr>
<tr>
<td>4</td>
<td>Make estimates (Freq)</td>
<td>2</td>
<td>4.73</td>
<td>4</td>
<td>4.48</td>
</tr>
<tr>
<td>2</td>
<td>Work with ratios or rates (Freq)</td>
<td>6</td>
<td>4.62</td>
<td>6</td>
<td>4.38</td>
</tr>
<tr>
<td>6</td>
<td>Read, document, and/or interpret sensor data (Freq)</td>
<td>5</td>
<td>4.66</td>
<td>5</td>
<td>4.44</td>
</tr>
<tr>
<td>5</td>
<td>Do work that requires accuracy to a specified tolerance (Freq)</td>
<td>4</td>
<td>4.68</td>
<td>3</td>
<td>4.48</td>
</tr>
<tr>
<td>39</td>
<td>Use data to troubleshoot problems (Freq)</td>
<td>10</td>
<td>4.19</td>
<td>8</td>
<td>4.25</td>
</tr>
<tr>
<td>1</td>
<td>Make conversions (Freq)</td>
<td>12</td>
<td>4.09</td>
<td>9</td>
<td>4.15</td>
</tr>
<tr>
<td>31</td>
<td>Make conversions between different ways of expressing numbers (Freq)</td>
<td>8</td>
<td>4.37</td>
<td>10</td>
<td>4.04</td>
</tr>
<tr>
<td>8</td>
<td>Read and interpret tables, graphs, or plots of data (Freq)</td>
<td>15</td>
<td>4.07</td>
<td>11</td>
<td>4.02</td>
</tr>
<tr>
<td>32</td>
<td>Work with prepared spreadsheets (Freq)</td>
<td>14</td>
<td>4.07</td>
<td>12</td>
<td>3.79</td>
</tr>
<tr>
<td>21</td>
<td>Use spatial reasoning (Freq)</td>
<td>9</td>
<td>4.30</td>
<td>13</td>
<td>3.78</td>
</tr>
<tr>
<td>22</td>
<td>Use angle measurements (Freq)</td>
<td>11</td>
<td>4.09</td>
<td>15</td>
<td>3.62</td>
</tr>
<tr>
<td>7</td>
<td>Use sampling to collect data (Freq)</td>
<td>21</td>
<td>3.77</td>
<td>14</td>
<td>3.66</td>
</tr>
<tr>
<td>34</td>
<td>Use a scientific or graphing calculator (Freq)</td>
<td>19</td>
<td>3.85</td>
<td>18</td>
<td>3.57</td>
</tr>
<tr>
<td>11</td>
<td>Read and analyze control charts (Freq)</td>
<td>13</td>
<td>4.08</td>
<td>17</td>
<td>3.60</td>
</tr>
<tr>
<td>37</td>
<td>Use math to prepare reports (Freq)</td>
<td>24</td>
<td>3.66</td>
<td>20</td>
<td>3.49</td>
</tr>
<tr>
<td>13</td>
<td>Substitute numbers into formulas and evaluate (Freq)</td>
<td>16</td>
<td>3.92</td>
<td>25</td>
<td>3.26</td>
</tr>
<tr>
<td>20</td>
<td>Use geometric topics (Freq)</td>
<td>25</td>
<td>3.65</td>
<td>19</td>
<td>3.54</td>
</tr>
<tr>
<td>36</td>
<td>Collect, analyze, and use information from a system (Freq)</td>
<td>18</td>
<td>3.87</td>
<td>16</td>
<td>3.60</td>
</tr>
<tr>
<td>10</td>
<td>Use, interpret, or calculate statistical measures (Freq)</td>
<td>27</td>
<td>3.47</td>
<td>24</td>
<td>3.29</td>
</tr>
<tr>
<td>18</td>
<td>Find perimeters, areas, or volumes (Freq)</td>
<td>17</td>
<td>3.90</td>
<td>22</td>
<td>3.39</td>
</tr>
<tr>
<td>27</td>
<td>Use scientific or engineering notations (Freq)</td>
<td>20</td>
<td>3.82</td>
<td>28</td>
<td>3.12</td>
</tr>
<tr>
<td>16</td>
<td>Use direct or inverse variation (Freq)</td>
<td>22</td>
<td>3.73</td>
<td>23</td>
<td>3.36</td>
</tr>
<tr>
<td>12</td>
<td>Use data to optimize a production process (Freq)</td>
<td>29</td>
<td>3.41</td>
<td>21</td>
<td>3.40</td>
</tr>
<tr>
<td>25</td>
<td>Work with amplitude, frequency, or period (Freq)</td>
<td>31</td>
<td>3.31</td>
<td>27</td>
<td>3.17</td>
</tr>
<tr>
<td>30</td>
<td>Use inequalities (Freq)</td>
<td>26</td>
<td>3.65</td>
<td>30</td>
<td>3.09</td>
</tr>
<tr>
<td>9</td>
<td>Make tables, graphs, or plots of data (Freq)</td>
<td>34</td>
<td>3.20</td>
<td>29</td>
<td>3.11</td>
</tr>
<tr>
<td>33</td>
<td>Use spreadsheets for tasks beyond working with prepared spreadsheets (Freq)</td>
<td>32</td>
<td>3.27</td>
<td>32</td>
<td>2.95</td>
</tr>
<tr>
<td>24</td>
<td>Use right triangle trigonometry (Freq)</td>
<td>30</td>
<td>3.39</td>
<td>33</td>
<td>2.94</td>
</tr>
<tr>
<td>23</td>
<td>Use Geometric Dimensioning and Tolerance (Freq)</td>
<td>23</td>
<td>3.69</td>
<td>31</td>
<td>3.08</td>
</tr>
<tr>
<td>38</td>
<td>Use graphs, tables, data, formulas or simulations (Freq)</td>
<td>33</td>
<td>3.23</td>
<td>34</td>
<td>2.75</td>
</tr>
<tr>
<td>17</td>
<td>Work with exponential functions (Freq)</td>
<td>37</td>
<td>2.74</td>
<td>35</td>
<td>2.72</td>
</tr>
<tr>
<td>35</td>
<td>Use math when using a CNC system (Freq)</td>
<td>28</td>
<td>3.41</td>
<td>26</td>
<td>3.19</td>
</tr>
<tr>
<td>15</td>
<td>Fit a curve to data (Freq)</td>
<td>36</td>
<td>2.78</td>
<td>37</td>
<td>2.50</td>
</tr>
<tr>
<td>19</td>
<td>Work with logarithms (Freq)</td>
<td>38</td>
<td>2.68</td>
<td>39</td>
<td>2.47</td>
</tr>
<tr>
<td>40</td>
<td>Use math to forecast performance measures or future outcomes (Freq)</td>
<td>35</td>
<td>2.95</td>
<td>38</td>
<td>2.47</td>
</tr>
<tr>
<td>14</td>
<td>Manipulate a formula to get a new formula (Freq)</td>
<td>39</td>
<td>2.55</td>
<td>36</td>
<td>2.55</td>
</tr>
<tr>
<td>29</td>
<td>Use complex numbers (Freq)</td>
<td>40</td>
<td>1.87</td>
<td>40</td>
<td>1.83</td>
</tr>
</tbody>
</table>

Note: Items highlighted in yellow indicate a significant ANOVA result with a p-value less than 0.05.