



# New York State Technology & Engineering Educators Association

2004 & 2005 & 2009 & 2010 2011 & 2012 & 2013 & 2014 & 2015 & 2016 & 2017

## Middle School Student Survey Results

### Number of Survey Participants / Year

2004 – 4443 / 2005 – 3649 / 2009 – 5823 / 2010 – 3898 / 2011-3407 / 2012- 3100 / 2013 – 2904 / 2014 – 3520  
2015 – 3763 / 2016 – 2266 / 2017 - 6556

**Total Participants = 43, 329 Students**

### 1. What grade level are you in currently?

<u>MS 2004</u>	<u>MS 2005</u>	<u>MS 2009</u>	<u>MS 2010</u>	<u>MS 2011</u>	<u>MS 2012</u>	<u>MS 2013</u>	<u>MS 2014</u>	<u>MS2015</u>	<u>MS 2016</u>	<u>MS20</u>
4.74% <b>5th</b>	.63%	1.8%	1.00%	.7%	.58%	.52%	1%	1%	3%	
27.4% <b>6th</b>	8.70%	12%	11.00%	19.5%	15.61%	18.25%	12%	10%	14%	
39.2% <b>7th</b>	9.22%	36.68%	50.00%	24.8%	34.52%	42.39%	39%	33%	38%	
27.76% <b>8th</b>	50.69%	49.6%	38.00%	55.0%	49.79%	38.84%	48%	56%	46%	

### 2. Are you a Male or Female Student?

<u>MS 2004</u>	<u>MS2005</u>	<u>MS2009</u>	<u>MS2010</u>	<u>MS2011</u>	<u>MS2012</u>	<u>MS2013</u>	<u>MS2014</u>	<u>MS2015</u>	<u>MS2016</u>	<u>MS2017</u>
53.70% <b>(M)</b>	50.5%	51.5%	51%	54.5%	52.19%	51.38%	52%	53%	51%	
45.34% <b>(F)</b>	48.74%	48.5%	49%	45.6%	47.81%	48.62%	48%	47%	49%	

### 3. What type of school do you attend? (Question not asked prior to 2009 )

	<u>MS 2009</u>	<u>MS 2010</u>	<u>MS 2011</u>	<u>MS 2012</u>	<u>MS 2013</u>	<u>MS 2014</u>	<u>MS 2015</u>	<u>MS2016</u>	<u>MS 2017</u>
<b>Rural</b>	33.6%	21%	26.8%	24.48%	25.93%	29%	27%	28%	
<b>City</b>	20.3%	5%	4%	13.42%	14.63%	19%	11%	4%	
<b>Suburban</b>	46.1%	64%	69.2%	62.10%	59.44%	52%	62%	68%	

**4. In what region of your state is your school located? (Question not asked prior to 2009)**

<u>State Region</u>	<u>MS 2009</u>	<u>MS 2010</u>	<u>MS 2011</u>	<u>MS 2012</u>	<u>MS 2013</u>	<u>MS 2014</u>	<u>MS2015</u>	<u>MS2016</u>	<u>MS2017</u>
North Country	11.7%	2.00%	3.3%	5.84%	8.88%	6%	3%	2%	
Western	20.9%	24.00%	13.4%	16.65%	18.84%	21%	30%	23%	
Central	31.9%	47.00%	40.7%	26.74%	32.58%	37%	34%	43%	
Eastern	14.6%	9.00%	4.4%	11.77%	9.19%	16%	10%	2%	
Southeast	12.9%	12.00%	4.98%	13.06%	15.15%	9%	15%	20%	
Long Island	8.1%	6.00%	33.22%	25.94%	15.36%	11%	8%	9%	

**KEY: SA – Strongly Agree A – Agree DA – Disagree  
SDA – Strongly Disagree MC – Missing Cases (for '04 & '05)**

**Note: In 2004 the MS Survey also included a no opinion selection in a 5 point Likert Scale vs the four point scale delineated below. That data was not included in this report.**

**5. I enjoyed my experience in Technology Education class?**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<u>MS 2004</u>	<b>83.74%</b>	<b>64.46%%</b>	<b>19.28%</b>	<b>3.37%</b>	<b>4.46%</b>	<b>.16%</b>
<u>MS 2005</u>	<b>83.39%</b>	<b>48.74%</b>	<b>34.65%</b>	<b>10.74%</b>	<b>5.66%</b>	<b>.58%</b>
<u>MS 2009</u>	<b>81.4%</b>	<b>29.9%</b>	<b>51.5%</b>	<b>11.7%</b>	<b>6.9%</b>	
<u>MS 2010</u>	<b>84%</b>	<b>31%</b>	<b>53%</b>	<b>10%</b>	<b>6.00%</b>	
<u>MS 2011</u>	<b>80.9%</b>	<b>29.7%</b>	<b>51.2%</b>	<b>11.6%</b>	<b>7.5%</b>	
<u>MS 2012</u>	<b>86.04%</b>	<b>35.52%</b>	<b>50.52%</b>	<b>8.84%</b>	<b>5.13%</b>	
<u>MS 2013</u>	<b>85.85%</b>	<b>38.67%</b>	<b>47.18%</b>	<b>8.57%</b>	<b>5.58%</b>	
<u>MS 2014</u>	<b>88%</b>	<b>33%</b>	<b>55%</b>	<b>8%</b>	<b>4%</b>	
<u>MS2015</u>	<b>86%</b>	<b>33%</b>	<b>53%</b>	<b>9%</b>	<b>5%</b>	
<u>MS2016</u>	<b>89%</b>	<b>38%</b>	<b>52%</b>	<b>8%</b>	<b>3%</b>	
<u>MS2017</u>						

**6. I found the technology education activities exciting and the information interesting.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<u>MS 2004</u>	79.27%	57.92%%	21.35%	5.20%	6.00%	.22%
<u>MS 2005</u>	78.57%	40.33%	38.24%	14.47%	6.61%	.35%
<u>MS 2009</u>	77.0%	23.9%	53.1%	16.8%	6.2%	
<u>MS 2010</u>	79%	25%	54%	16%	6.00%	
<u>MS 2011</u>	75.91%	21.0%	54.91%	17.7%	6.36%	
<u>MS 2012</u>	81.32%	29.32%	52.00%	13.68%	5.00%	
<u>MS 2013</u>	80.44%	33.78%	47.66%	13.67%	4.89%	
<u>MS 2014</u>	84%	28%	56%	12%	04%	
<u>MS2015</u>	81%	28%	53%	14%	5%	
<u>MS2016</u>	85%	31%	54%	11%	3%	
<u>MS2017</u>						

**7. Most of the learning in technology education class was through hands-on.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>82.33%</b>	<b>60.26%%</b>	<b>22.07%</b>	<b>2.77%</b>	<b>4.69%</b>	<b>.45%</b>
<b>MS 2005</b>	<b>83.16%</b>	<b>50.80%</b>	<b>32.36%</b>	<b>10.93%</b>	<b>5.11%</b>	<b>.79%</b>
<b>MS 2009</b>	<b>85.8%</b>	<b>28.8%</b>	<b>57.0%</b>	<b>10.9%</b>	<b>3.3%</b>	
<b>MS 2010</b>	<b>86%</b>	<b>27%</b>	<b>59%</b>	<b>11%</b>	<b>2.00%</b>	
<b>MS 2011</b>	<b>86.52%</b>	<b>27.59%</b>	<b>58.93%</b>	<b>10.8%</b>	<b>2.7%</b>	
<b>MS 2012</b>	<b>87.65</b>	<b>31.97%</b>	<b>55.68%</b>	<b>9.26%</b>	<b>3.10%</b>	
<b>MS 2013</b>	<b>84.85%</b>	<b>39.22%</b>	<b>45.63%</b>	<b>11.74%</b>	<b>3.41%</b>	
<b>MS 2014</b>	<b>87%</b>	<b>36%</b>	<b>51%</b>	<b>11%</b>	<b>2%</b>	
<b>MS 2015</b>	<b>87%</b>	<b>36%</b>	<b>51%</b>	<b>10%</b>	<b>3%</b>	
<b>MS 2016</b>	<b>91%</b>	<b>41%</b>	<b>50%</b>	<b>7%</b>	<b>2%</b>	
<b>MS 2017</b>						

**8. In technology education class we completed a combination of written reports, presentations and hands on activities.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>70.77%</b>	<b>51.58%</b>	<b>18.96%</b>	<b>6.29%</b>	<b>7.9%</b>	<b>1.27%</b>
<b>MS 2005</b>	<b>71.96%</b>	<b>40.49%</b>	<b>31.47%</b>	<b>17.51%</b>	<b>9.93%</b>	<b>.60%</b>
<b>MS 2009</b>	<b>73.4%</b>	<b>16.6%</b>	<b>56.8%</b>	<b>21.4%</b>	<b>5.1%</b>	
<b>MS 2010</b>	<b>69.0%</b>	<b>15.0%</b>	<b>54.0%</b>	<b>25.0%</b>	<b>6.00%</b>	
<b>MS 2011</b>	<b>76.14%</b>	<b>19.23%</b>	<b>56.91%</b>	<b>19.07%</b>	<b>4.78%</b>	
<b>MS 2012</b>	<b>70.61%</b>	<b>18.29%</b>	<b>52.32%</b>	<b>23.77%</b>	<b>5.61%</b>	
<b>MS 2013</b>	<b>73.80%</b>	<b>29.10%</b>	<b>44.70%</b>	<b>19.70%</b>	<b>6.51%</b>	
<b>MS 2014</b>	<b>75%</b>	<b>22%</b>	<b>53%</b>	<b>19%</b>	<b>05%</b>	
<b>MS 2015</b>	<b>73%</b>	<b>20%</b>	<b>53%</b>	<b>21%</b>	<b>6%</b>	
<b>MS 2016</b>	<b>90%</b>	<b>40%</b>	<b>50%</b>	<b>7%</b>	<b>2%</b>	
<b>MS 2017</b>						

**9. Many of our projects required the application of math knowledge and skills.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>78.60%</b>	<b>59.19%</b>	<b>19.41%</b>	<b>4.17%</b>	<b>5.76%</b>	<b>.78%</b>
<b>MS 2005</b>	<b>79.03%</b>	<b>44.79%</b>	<b>34.24%</b>	<b>13.41%</b>	<b>6.64%</b>	<b>.92%</b>
<b>MS 2009</b>	<b>81.5%</b>	<b>23.2%</b>	<b>58.3%</b>	<b>14.9%</b>	<b>3.6%</b>	
<b>MS 2010</b>	<b>80.0%</b>	<b>21.0%</b>	<b>59.0%</b>	<b>16.0%</b>	<b>3.00%</b>	
<b>MS 2011</b>	<b>78.42%</b>	<b>19.75%</b>	<b>58.67%</b>	<b>16.90%</b>	<b>4.67%</b>	
<b>MS 2012</b>	<b>79.42%</b>	<b>23.55%</b>	<b>55.87%</b>	<b>16.74%</b>	<b>3.84%</b>	
<b>MS 2013</b>	<b>78.03%</b>	<b>31.58%</b>	<b>46.45%</b>	<b>16.70%</b>	<b>5.27%</b>	
<b>MS 2014</b>	<b>83%</b>	<b>30%</b>	<b>53%</b>	<b>14%</b>	<b>03%</b>	
<b>MS 2015</b>	<b>81%</b>	<b>28%</b>	<b>53%</b>	<b>15%</b>	<b>4%</b>	
<b>MS 2016</b>	<b>85%</b>	<b>31%</b>	<b>53%</b>	<b>12%</b>	<b>3%</b>	
<b>MS 2017</b>						

**10. Many of our projects required the application of science knowledge and skills.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>72.93%</b>	<b>51.96%</b>	<b>20.97%</b>	<b>4.86%</b>	<b>6.11%</b>	<b>1.07%</b>
<b>MS 2005</b>	<b>74.25%</b>	<b>35.90%</b>	<b>38.35%</b>	<b>17.38%</b>	<b>6.91%</b>	<b>1.47%</b>
<b>MS 2009</b>	<b>73.9%</b>	<b>17.0%</b>	<b>56.5%</b>	<b>22.1%</b>	<b>4.9%</b>	
<b>MS 2010</b>	<b>73.0%</b>	<b>16.0%</b>	<b>57.0%</b>	<b>23.0%</b>	<b>4.00%</b>	
<b>MS 2011</b>	<b>70.78%</b>	<b>15.02%</b>	<b>55.76%</b>	<b>24.74%</b>	<b>4.46%</b>	
<b>MS 2012</b>	<b>71.49%</b>	<b>18.94%</b>	<b>52.55%</b>	<b>23.87%</b>	<b>4.65%</b>	
<b>MS 2013</b>	<b>72.66%</b>	<b>26.96%</b>	<b>45.70%</b>	<b>21.28%</b>	<b>6.06%</b>	
<b>MS 2014</b>	<b>73%</b>	<b>21%</b>	<b>52%</b>	<b>22%</b>	<b>4%</b>	
<b>MS 2015</b>	<b>75%</b>	<b>20%</b>	<b>55%</b>	<b>21%</b>	<b>4%</b>	
<b>MS 2016</b>	<b>77%</b>	<b>23%</b>	<b>54%</b>	<b>20%</b>	<b>3%</b>	
<b>MS 2017</b>						

**11. Many of our projects & activities required the use of English communication skills.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>65.89%</b>	<b>47.77%</b>	<b>18.12%</b>	<b>7.85%</b>	<b>10.0%</b>	<b>.87%</b>
<b>MS 2005</b>	<b>62.74%</b>	<b>29.26%</b>	<b>33.48%</b>	<b>23.33%</b>	<b>12.97%</b>	<b>.95%</b>
<b>MS 2009</b>	<b>71.9%</b>	<b>18.1%</b>	<b>53.8%</b>	<b>23.0%</b>	<b>5.0%</b>	
<b>MS 2010</b>	<b>69.0%</b>	<b>15.0%</b>	<b>54.0%</b>	<b>25.0%</b>	<b>6.00%</b>	
<b>MS 2011</b>	<b>69.93%</b>	<b>16.10%</b>	<b>53.83%</b>	<b>24.41%</b>	<b>5.65%</b>	
<b>MS 2012</b>	<b>70.22%</b>	<b>19.48%</b>	<b>50.74%</b>	<b>23.98%</b>	<b>5.81%</b>	
<b>MS 2013</b>	<b>70.11%</b>	<b>27.44%</b>	<b>42.67%</b>	<b>22.31%</b>	<b>7.58%</b>	
<b>MS 2014</b>	<b>74%</b>	<b>23%</b>	<b>51%</b>	<b>21%</b>	<b>05%</b>	
<b>MS 2015</b>	<b>74%</b>	<b>23%</b>	<b>51%</b>	<b>21%</b>	<b>5%</b>	
<b>MS 2016</b>	<b>76%</b>	<b>27%</b>	<b>49%</b>	<b>18%</b>	<b>4%</b>	
<b>MS 2017</b>						



**12. I am better at measurement and other math skills because I applied them in technology education class.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<u>MS 2004</u>	68.47%	51.18%	17.29%	7.34%	10.58%	.83%
<u>MS 2005</u>	61.51%	31.87%	29.64%	20.83%	16.43%	1.22%
<u>MS 2009</u>	57.80%	15.70%	42.10%	32.60%	9.8%	
<u>MS 2010</u>	58.0%	15.0%	43.0%	33.0%	9.00%	
<u>MS 2011</u>	59.40%	15.67%	43.73%	30.66%	9.94%	
<u>MS 2012</u>	59.79%	16.99%	42.80%	30.50%	9.71%	
<u>MS 2013</u>	56.99%	23.73%	33.26%	30.51%	12.50%	
<u>MS 2014</u>	62%	21%	41%	28%	10%	
<u>MS 2015</u>	59%	19%	40%	30%	10%	
<u>MS 2016</u>	65%	23%	42%	27%	8%	
<u>MS 2017</u>						

**13. I better understand what I learned in science because I applied it in technology class.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<u>MS 2004</u>	61.15%	44.51%	16.64%	9.64%	12.49%	.83%
<u>MS 2005</u>	53.71%	23.01%	30.70%	26.03%	18.90%	1.36%
<u>MS 2009</u>	47.3%	10.8%	36.5%	42.2%	10.5%	
<u>MS 2010</u>	45.0%	9.00%	36.0%	44.0%	10.0%	
<u>MS 2011</u>	43.76%	8.52%	35.24%	44.82%	11.42%	
<u>MS 2012</u>	49.09%	13.18%	35.91%	40.73%	10.17%	
<u>MS 2013</u>	51.00%	19.25%	31.75%	34.99%	14.02%	
<u>MS 2014</u>	50%	14%	36%	39%	12%	
<u>MS 2015</u>	48%	12%	36%	40%	12%	
<u>MS 2016</u>	50%	14%	36%	39%	11%	
<u>MS 2017</u>						

**14. I used computers and the internet to research a topic on technology or to complete an activity.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>75.52%</b>	<b>60.24%</b>	<b>15.28%</b>	<b>6.11%</b>	<b>9.19%</b>	<b>.78%</b>
<b>MS 2005</b>	<b>77.35%</b>	<b>54.23%</b>	<b>23.12%</b>	<b>11.97%</b>	<b>9.57%</b>	<b>1.12%</b>
<b>MS 2009</b>	<b>84.40%</b>	<b>30.30%</b>	<b>54.10%</b>	<b>11.50%</b>	<b>4.20%</b>	
<b>MS 2010</b>	<b>79.0%</b>	<b>27.0%</b>	<b>52.0%</b>	<b>15.0%</b>	<b>5.00%</b>	
<b>MS 2011</b>	<b>84.09%</b>	<b>28.09%</b>	<b>56.00%</b>	<b>11.63%</b>	<b>4.29%</b>	
<b>MS 2012</b>	<b>77.96%</b>	<b>27.06%</b>	<b>50.90%</b>	<b>15.81%</b>	<b>6.23%</b>	
<b>MS 2013</b>	<b>81.06%</b>	<b>41.67%</b>	<b>39.39%</b>	<b>12.60%</b>	<b>6.34%</b>	
<b>MS 2014</b>	<b>82%</b>	<b>37%</b>	<b>45%</b>	<b>12%</b>	<b>6%</b>	
<b>MS 2015</b>	<b>85%</b>	<b>40%</b>	<b>45%</b>	<b>10%</b>	<b>5%</b>	
<b>MS 2016</b>	<b>83%</b>	<b>39%</b>	<b>44%</b>	<b>12%</b>	<b>5%</b>	
<b>MS 2017</b>						

**15. In Technology Education class I helped to develop a historical timeline.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>50.25%</b>	<b>40.05%</b>	<b>10.2%</b>	<b>8.84%</b>	<b>23.52%</b>	<b>3.06%</b>
<b>MS 2005</b>	<b>41.01%</b>	<b>21.32%</b>	<b>19.69%</b>	<b>20.53%</b>	<b>36.85%</b>	<b>1.60%</b>
<b>MS 2009</b>	<b>32.7%</b>	<b>8.3%</b>	<b>24.4%</b>	<b>46.0%</b>	<b>21.3%</b>	
<b>MS 2010</b>	<b>36.0%</b>	<b>8.00%</b>	<b>28.0%</b>	<b>45.0%</b>	<b>20.0%</b>	
<b>MS 2011</b>	<b>29.87%</b>	<b>6.95%</b>	<b>22.92%</b>	<b>47.0%</b>	<b>23.14%</b>	
<b>MS 2012</b>	<b>32.80%</b>	<b>8.23%</b>	<b>24.57%</b>	<b>46.00%</b>	<b>21.19%</b>	
<b>MS 2013</b>	<b>40.36%</b>	<b>14.91%</b>	<b>25.45%</b>	<b>36.54%</b>	<b>23.11%</b>	
<b>MS 2014</b>	<b>39%</b>	<b>11%</b>	<b>28%</b>	<b>39%</b>	<b>22%</b>	
<b>MS 2015</b>	<b>32%</b>	<b>8%</b>	<b>24%</b>	<b>42%</b>	<b>27%</b>	
<b>MS 2016</b>	<b>35%</b>	<b>11%</b>	<b>25%</b>	<b>43%</b>	<b>22%</b>	
<b>MS 2017</b>						

**16. I worked with other students, on a team, as part of an activity or project.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>82.82%</b>	<b>70.53%</b>	<b>12.29%</b>	<b>2.97%</b>	<b>7.43%</b>	<b>1.14%</b>
<b>MS 2005</b>	<b>78.84%</b>	<b>60.92%</b>	<b>17.92%</b>	<b>8.73%</b>	<b>10.80%</b>	<b>1.63%</b>
<b>MS 2009</b>	<b>85.0%</b>	<b>34.90%</b>	<b>50.10%</b>	<b>10.40%</b>	<b>4.5%</b>	
<b>MS 2010</b>	<b>81.0%</b>	<b>32.0%</b>	<b>49.0%</b>	<b>14.0%</b>	<b>5.00%</b>	
<b>MS 2011</b>	<b>82.27%</b>	<b>30.99%</b>	<b>51.28%</b>	<b>12.72%</b>	<b>5.01%</b>	
<b>MS 2012</b>	<b>82.78%</b>	<b>38.21%</b>	<b>44.57%</b>	<b>12.00%</b>	<b>5.21%</b>	
<b>MS 2013</b>	<b>81.16%</b>	<b>47.28%</b>	<b>33.88%</b>	<b>12.29%</b>	<b>6.54%</b>	
<b>MS 2014</b>	<b>82%</b>	<b>42%</b>	<b>40%</b>	<b>13%</b>	<b>05%</b>	
<b>MS 2015</b>	<b>82%</b>	<b>44%</b>	<b>38%</b>	<b>12%</b>	<b>6%</b>	
<b>MS 2016</b>	<b>85%</b>	<b>46%</b>	<b>38%</b>	<b>11%</b>	<b>4%</b>	
<b>MS 2017</b>						

**17. I believe my leadership skills have improved as a result of my technology education class.**

<b><u>Year</u></b>	<b><u>Agree Tot.</u></b>	<b><u>SA</u></b>	<b><u>A</u></b>	<b><u>DA</u></b>	<b><u>SDA</u></b>	<b><u>MC</u></b>
<b><u>MS 2004</u></b>	<b>69.12%</b>	<b>50.94%</b>	<b>18.18%</b>	<b>5.51%</b>	<b>10.31%</b>	<b>1.25%</b>
<b><u>MS 2005</u></b>	<b>66.39%</b>	<b>33.51%</b>	<b>32.88%</b>	<b>19.45%</b>	<b>12.97%</b>	<b>1.20%</b>
<b><u>MS 2009</u></b>	<b>65.0%</b>	<b>17.90%</b>	<b>47.10%</b>	<b>26.30%</b>	<b>8.60%</b>	
<b>MS 2010</b>	<b>63.0%</b>	<b>17.0%</b>	<b>46.0%</b>	<b>28.0%</b>	<b>8.00%</b>	
<b>MS 2011</b>	<b>62.07%</b>	<b>16.37%</b>	<b>45.70%</b>	<b>28.51%</b>	<b>9.42%</b>	
<b>MS 2012</b>	<b>67.99%</b>	<b>21.71%</b>	<b>46.28%</b>	<b>23.84%</b>	<b>8.17%</b>	
<b>MS 2013</b>	<b>66.01%</b>	<b>28.68%</b>	<b>37.33%</b>	<b>23.52%</b>	<b>10.47%</b>	
<b>MS 2014</b>	<b>67%</b>	<b>23%</b>	<b>44%</b>	<b>25%</b>	<b>08%</b>	
<b>MS 2015</b>	<b>66%</b>	<b>23%</b>	<b>43%</b>	<b>25%</b>	<b>9%</b>	
<b>MS 2016</b>	<b>68%</b>	<b>25%</b>	<b>43%</b>	<b>24%</b>	<b>8%</b>	
<b>MS 2017</b>						

**18. I feel more confident in solving every day problems as a result of my technology education experience.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>64.71%</b>	<b>48.08%</b>	<b>18.67%</b>	<b>6.65%</b>	<b>10.44%</b>	<b>1.14%</b>
<b>MS 2005</b>	<b>62.25%</b>	<b>29.83%</b>	<b>32.42%</b>	<b>22.16%</b>	<b>14.14%</b>	<b>1.44%</b>
<b>MS 2009</b>	<b>60.20%</b>	<b>16.10%</b>	<b>44.10%</b>	<b>29.90%</b>	<b>9.9%</b>	
<b>MS 2010</b>	<b>60.0%</b>	<b>15.0%</b>	<b>45.0%</b>	<b>30.0%</b>	<b>9.00%</b>	
<b>MS 2011</b>	<b>59.20%</b>	<b>13.44%</b>	<b>45.76%</b>	<b>31.02%</b>	<b>9.79%</b>	
<b>MS 2012</b>	<b>65.46%</b>	<b>19.25%</b>	<b>46.21%</b>	<b>25.16%</b>	<b>9.38%</b>	
<b>MS 2013</b>	<b>62.68%</b>	<b>25.59%</b>	<b>37.09%</b>	<b>25.52%</b>	<b>11.81%</b>	
<b>MS 2014</b>	<b>64%</b>	<b>20%</b>	<b>44%</b>	<b>26%</b>	<b>10%</b>	
<b>MS 2015</b>	<b>63%</b>	<b>21%</b>	<b>42%</b>	<b>27%</b>	<b>11%</b>	
<b>MS 2016</b>	<b>64%</b>	<b>20%</b>	<b>44%</b>	<b>27%</b>	<b>9%</b>	
<b>MS 2017</b>						

**19. Technology education classes helped me to improve my design and creative skills.**

<b><u>Year</u></b>	<b><u>Agree Tot.</u></b>	<b><u>SA</u></b>	<b><u>A</u></b>	<b><u>DA</u></b>	<b><u>SDA</u></b>	<b><u>MC</u></b>
<b><u>MS 2004</u></b>	<b>78.94%</b>	<b>61.0%</b>	<b>17.94%</b>	<b>3.95%</b>	<b>7.45%</b>	<b>1.38%</b>
<b><u>MS 2005</u></b>	<b>77.10%</b>	<b>46.48%</b>	<b>30.62%</b>	<b>13.14%</b>	<b>8.19%</b>	<b>1.58%</b>
<b><u>MS 2009</u></b>	<b>82.60%</b>	<b>29.70%</b>	<b>52.90%</b>	<b>11.90%</b>	<b>5.4%</b>	
<b><u>MS 2010</u></b>	<b>82.0%</b>	<b>27.0%</b>	<b>55.0%</b>	<b>13.0%</b>	<b>5.00%</b>	
<b><u>MS 2011</u></b>	<b>78.80%</b>	<b>24.83%</b>	<b>53.97%</b>	<b>14.04%</b>	<b>5.50%</b>	
<b><u>MS 2012</u></b>	<b>82.94%</b>	<b>29.84%</b>	<b>53.10%</b>	<b>11.89%</b>	<b>5.17%</b>	
<b><u>MS 2013</u></b>	<b>80.16%</b>	<b>41.32%</b>	<b>38.84%</b>	<b>12.40%</b>	<b>7.44%</b>	
<b><u>MS 2014</u></b>	<b>83%</b>	<b>37%</b>	<b>46%</b>	<b>11%</b>	<b>5%</b>	
<b><u>MS 2015</u></b>	<b>81%</b>	<b>36%</b>	<b>45%</b>	<b>13%</b>	<b>6%</b>	
<b><u>MS 2016</u></b>	<b>85%</b>	<b>37%</b>	<b>48%</b>	<b>10%</b>	<b>5%</b>	
<b><u>MS 2017</u></b>						



**20. TE classes helped me to develop safe practices while working with tools, machines, materials and other people.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>84.0%</b>	<b>68.9%</b>	<b>15.10%</b>	<b>2.90%</b>	<b>5.78%</b>	<b>1.20%</b>
<b>MS 2005</b>	<b>83.6%</b>	<b>58.12%</b>	<b>25.48%</b>	<b>8.65%</b>	<b>6.88%</b>	<b>.87%</b>
<b>MS 2009</b>	<b>87.0%</b>	<b>36.0%</b>	<b>51.0%</b>	<b>8.7%</b>	<b>4.3%</b>	
<b>MS 2010</b>	<b>87.0%</b>	<b>34.0%</b>	<b>53.0%</b>	<b>9.00%</b>	<b>4.00%</b>	
<b>MS 2011</b>	<b>86.43%</b>	<b>32.68%</b>	<b>53.75%</b>	<b>9.00%</b>	<b>4.58%</b>	
<b>MS 2012</b>	<b>87.41%</b>	<b>36.83%</b>	<b>50.58%</b>	<b>8.38%</b>	<b>4.21%</b>	
<b>MS 2013</b>	<b>84.06%</b>	<b>44.77%</b>	<b>39.29%</b>	<b>10.33%</b>	<b>5.61%</b>	
<b>MS 2014</b>	<b>89%</b>	<b>44%</b>	<b>45%</b>	<b>08%</b>	<b>04%</b>	
<b>MS 2015</b>	<b>87%</b>	<b>42%</b>	<b>45%</b>	<b>8%</b>	<b>5%</b>	
<b>MS 2016</b>	<b>90%</b>	<b>47%</b>	<b>43%</b>	<b>6%</b>	<b>4%</b>	
<b>MS 2017</b>						

**21. I understand that technology education is the study of the human-made world.**

<b><u>Year</u></b>	<b><u>Agree Tot</u></b>	<b><u>SA</u></b>	<b><u>A</u></b>	<b><u>DA</u></b>	<b><u>SDA</u></b>	<b><u>MC</u></b>
<b>MS 2004</b>	<b>80.56%</b>	<b>62.78%</b>	<b>17.78%</b>	<b>3.17%</b>	<b>5.8%</b>	<b>1.14%</b>
<b>MS 2005</b>	<b>81.97%</b>	<b>52.57%</b>	<b>29.40%</b>	<b>10.74%</b>	<b>6.09%</b>	<b>1.20%</b>
<b>MS 2009</b>	<b>85.60%</b>	<b>28.6%</b>	<b>57.0%</b>	<b>10.4%</b>	<b>4.0%</b>	
<b>MS 2010</b>	<b>86.0%</b>	<b>28.0%</b>	<b>58.0%</b>	<b>11.0%</b>	<b>4.00%</b>	
<b>MS 2011</b>	<b>83.36%</b>	<b>24.79%</b>	<b>58.57%</b>	<b>12.29%</b>	<b>4.36%</b>	
<b>MS 2012</b>	<b>81.47%</b>	<b>28.09%</b>	<b>56.38%</b>	<b>11.06%</b>	<b>4.47%</b>	
<b>MS 2013</b>	<b>84.16%</b>	<b>39.91%</b>	<b>44.25%</b>	<b>10.19%</b>	<b>5.65%</b>	
<b>MS 2014</b>	<b>88%</b>	<b>37%</b>	<b>51%</b>	<b>09%</b>	<b>04%</b>	
<b>MS 2015</b>	<b>87%</b>	<b>36%</b>	<b>51%</b>	<b>9%</b>	<b>4%</b>	
<b>MS 2016</b>	<b>88%</b>	<b>38%</b>	<b>50%</b>	<b>10%</b>	<b>3%</b>	
<b>MS 2017</b>						

**22. I learned that technology plays a strong role in innovations and/or inventions developing throughout the world.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>84.39%</b>	<b>68.41%</b>	<b>15.98%</b>	<b>2.21%</b>	<b>5.42%</b>	<b>.98%</b>
<b>MS 2005</b>	<b>84.72%</b>	<b>59.89%</b>	<b>24.83%</b>	<b>8.38%</b>	<b>5.71%</b>	<b>1.20%</b>
<b>MS 2009</b>	<b>88.90%</b>	<b>36.7%</b>	<b>52.2%</b>	<b>7.5%</b>	<b>3.6%</b>	
<b>MS 2010</b>	<b>89.0%</b>	<b>35.0%</b>	<b>54.0%</b>	<b>7.00%</b>	<b>4.00%</b>	
<b>MS 2011</b>	<b>88.38%</b>	<b>34.91%</b>	<b>53.47%</b>	<b>7.62%</b>	<b>4.0%</b>	
<b>MS 2012</b>	<b>88.87%</b>	<b>37.96%</b>	<b>50.91%</b>	<b>7.25%</b>	<b>3.88%</b>	
<b>MS 2013</b>	<b>89.05%</b>	<b>50.55%</b>	<b>38.50%</b>	<b>6.82%</b>	<b>4.13%</b>	
<b>MS 2014</b>	<b>92%</b>	<b>49%</b>	<b>43%</b>	<b>05%</b>	<b>03%</b>	
<b>MS 2015</b>	<b>91%</b>	<b>49%</b>	<b>42%</b>	<b>6%</b>	<b>3%</b>	
<b>MS 2016</b>	<b>94%</b>	<b>50%</b>	<b>44%</b>	<b>4%</b>	<b>2%</b>	
<b>MS 2017</b>						

**23. In technology education class I learned about systems and subsystems and how they connect with each other.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>70.64%</b>	<b>52.01%</b>	<b>18.63%</b>	<b>5.22%</b>	<b>7.72%</b>	<b>2.07%</b>
<b>MS 2005</b>	<b>70.96%</b>	<b>38.46%</b>	<b>32.50%</b>	<b>16.81%</b>	<b>11.12%</b>	<b>1.12%</b>
<b>MS 2009</b>	<b>67.70%</b>	<b>15.90%</b>	<b>51.80%</b>	<b>24.00%</b>	<b>8.3%</b>	
<b>MS 2010</b>	<b>64.0%</b>	<b>14.0%</b>	<b>50.0%</b>	<b>26.0%</b>	<b>9.00%</b>	
<b>MS 2011</b>	<b>68.32%</b>	<b>15.0%</b>	<b>53.32%</b>	<b>23.48%</b>	<b>8.21%</b>	
<b>MS 2012</b>	<b>65.05%</b>	<b>16.76%</b>	<b>48.26%</b>	<b>25.67%</b>	<b>9.31%</b>	
<b>MS 2013</b>	<b>68.46%</b>	<b>27.72%</b>	<b>40.74%</b>	<b>21.83%</b>	<b>9.71%</b>	
<b>MS 2014</b>	<b>66%</b>	<b>21%</b>	<b>45%</b>	<b>25%</b>	<b>10%</b>	
<b>MS 2015</b>	<b>65%</b>	<b>20%</b>	<b>45%</b>	<b>26%</b>	<b>9%</b>	
<b>MS 2016</b>	<b>63%</b>	<b>19%</b>	<b>44%</b>	<b>28%</b>	<b>9%</b>	
<b>MS 2017</b>						

**24. I now have a greater understanding of how technology impacts human living.**

<b><u>Year</u></b>	<b><u>Agree Tot.</u></b>	<b><u>SA</u></b>	<b><u>A</u></b>	<b><u>DA</u></b>	<b><u>SDA</u></b>	<b><u>MC</u></b>
<b>MS 2004</b>	<b>80.90%</b>	<b>62.85%</b>	<b>18.05%</b>	<b>2.72%</b>	<b>6.42%</b>	<b>1.67%</b>
<b>MS 2005</b>	<b>81.02%</b>	<b>51.70%</b>	<b>29.32%</b>	<b>10.82%</b>	<b>6.09%</b>	<b>1.74%</b>
<b>MS 2009</b>	<b>86.0%</b>	<b>30.4%</b>	<b>55.6%</b>	<b>10.0%</b>	<b>4.0%</b>	
<b>MS 2010</b>	<b>86.0%</b>	<b>30.0%</b>	<b>56.0%</b>	<b>10.0%</b>	<b>4.00%</b>	
<b>MS 2011</b>	<b>84.66%</b>	<b>27.02%</b>	<b>57.64%</b>	<b>10.73%</b>	<b>4.61%</b>	
<b>MS 2012</b>	<b>85.22%</b>	<b>31.20%</b>	<b>54.02%</b>	<b>10.40%</b>	<b>4.37%</b>	
<b>MS 2013</b>	<b>84.85%</b>	<b>42.18%</b>	<b>42.67%</b>	<b>10.19%</b>	<b>4.96%</b>	
<b>MS 2014</b>	<b>87%</b>	<b>39%</b>	<b>48%</b>	<b>09%</b>	<b>04%</b>	
<b>MS 2015</b>	<b>87%</b>	<b>39%</b>	<b>48%</b>	<b>9%</b>	<b>5%</b>	
<b>MS 2016</b>	<b>89%</b>	<b>42%</b>	<b>47%</b>	<b>8%</b>	<b>3%</b>	
<b>MS 2017</b>						

**25. I have a greater understanding of how technology impacts the environment.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>80.48%</b>	<b>61.89%</b>	<b>18.59%</b>	<b>3.08%</b>	<b>6.22%</b>	<b>1.49%</b>
<b>MS 2005</b>	<b>79.44%</b>	<b>48.38%</b>	<b>31.06%</b>	<b>12.10%</b>	<b>7.07%</b>	<b>1.39%</b>
<b>MS 2009</b>	<b>84.0%</b>	<b>28.0%</b>	<b>56.0%</b>	<b>11.7%</b>	<b>4.40%</b>	
<b>MS 2010</b>	<b>83.0%</b>	<b>28.0%</b>	<b>55.0%</b>	<b>13.0%</b>	<b>4.00%</b>	
<b>MS 2011</b>	<b>82.70%</b>	<b>25.18%</b>	<b>57.52%</b>	<b>12.33%</b>	<b>4.98%</b>	
<b>MS 2012</b>	<b>82.65%</b>	<b>28.72%</b>	<b>53.93%</b>	<b>12.55%</b>	<b>4.80%</b>	
<b>MS 2013</b>	<b>82.85%</b>	<b>40.67%</b>	<b>42.18%</b>	<b>11.64%</b>	<b>5.51%</b>	
<b>MS 2014</b>	<b>85%</b>	<b>33%</b>	<b>52%</b>	<b>11%</b>	<b>04%</b>	
<b>MS 2015</b>	<b>84%</b>	<b>33%</b>	<b>51%</b>	<b>11%</b>	<b>5%</b>	
<b>MS 2016</b>	<b>86%</b>	<b>35%</b>	<b>51%</b>	<b>11%</b>	<b>3%</b>	
<b>MS 2017</b>						

**26. Technology has a large influence on our everyday lives.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>83.11%</b>	<b>70.53%</b>	<b>12.58%</b>	<b>2.16%</b>	<b>5.91%</b>	<b>3.32%</b>
<b>MS 2005</b>	<b>85.78%</b>	<b>66.28%</b>	<b>19.50%</b>	<b>7.32%</b>	<b>5.58%</b>	<b>1.33%</b>
<b>MS 2009</b>	<b>90.40%</b>	<b>45.40%</b>	<b>45.0%</b>	<b>5.90%</b>	<b>3.70%</b>	
<b>MS 2010</b>	<b>91.0%</b>	<b>46.0%</b>	<b>45.0%</b>	<b>6.00%</b>	<b>3.00%</b>	
<b>MS 2011</b>	<b>89.66%</b>	<b>43.20%</b>	<b>46.46%</b>	<b>7.01%</b>	<b>3.32%</b>	
<b>MS 2012</b>	<b>90.16%</b>	<b>46.24%</b>	<b>43.92%</b>	<b>6.19%</b>	<b>3.64%</b>	
<b>MS 2013</b>	<b>88.88%</b>	<b>56.92%</b>	<b>31.96%</b>	<b>6.58%</b>	<b>4.55%</b>	
<b>MS 2014</b>	<b>91%</b>	<b>52%</b>	<b>39%</b>	<b>06%</b>	<b>03%</b>	
<b>MS 2015</b>	<b>92%</b>	<b>55%</b>	<b>37%</b>	<b>5%</b>	<b>3%</b>	
<b>MS 2016</b>	<b>93%</b>	<b>55%</b>	<b>38%</b>	<b>5%</b>	<b>2%</b>	
<b>MS 2017</b>						

**27. Technology education classes have helped me to understand how math, science, English, technology and social studies are applied to solve technological problems.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>68.57%</b>	<b>50.74%</b>	<b>17.83%</b>	<b>5.35%</b>	<b>9.19%</b>	<b>2.72%</b>
<b>MS 2005</b>	<b>70.98%</b>	<b>35.65%</b>	<b>35.33%</b>	<b>17.79%</b>	<b>10.39%</b>	<b>.84%</b>
<b>MS 2009</b>	<b>70.70%</b>	<b>20.0%</b>	<b>50.7%</b>	<b>21.30%</b>	<b>8.10%</b>	
<b>MS 2010</b>	<b>70.0%</b>	<b>18.0%</b>	<b>52.0%</b>	<b>21.0%</b>	<b>9.00%</b>	
<b>MS 2011</b>	<b>68.28%</b>	<b>15.99%</b>	<b>52.29%</b>	<b>22.42%</b>	<b>9.30%</b>	
<b>MS 2012</b>	<b>68.66%</b>	<b>20.17%</b>	<b>48.49%</b>	<b>21.57%</b>	<b>9.77%</b>	
<b>MS 2013</b>	<b>67.49%</b>	<b>27.13%</b>	<b>40.36%</b>	<b>21.80%</b>	<b>10.71%</b>	
<b>MS 2014</b>	<b>71%</b>	<b>24%</b>	<b>47%</b>	<b>21%</b>	<b>08%</b>	
<b>MS 2015</b>	<b>71%</b>	<b>23%</b>	<b>48%</b>	<b>20%</b>	<b>9%</b>	
<b>MS 2016</b>	<b>74%</b>	<b>26%</b>	<b>48%</b>	<b>19%</b>	<b>7%</b>	
<b>MS 2017</b>						



**28. I am more aware of the engineering and other technical jobs that are available to me because they were discussed in class.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>75.37%</b>	<b>55.62%</b>	<b>19.75%</b>	<b>4.51%</b>	<b>7.27%</b>	<b>1.14%</b>
<b>MS 2005</b>	<b>73.24%</b>	<b>39.90%</b>	<b>33.34%</b>	<b>16.15%</b>	<b>9.60%</b>	<b>1.01%</b>
<b>MS 2009</b>	<b>75.30%</b>	<b>21.20%</b>	<b>54.10%</b>	<b>18.40%</b>	<b>6.30%</b>	
<b>MS 2010</b>	<b>74.0%</b>	<b>19.0%</b>	<b>55.0%</b>	<b>19.0%</b>	<b>6.00%</b>	
<b>MS 2011</b>	<b>72.78%</b>	<b>17.58%</b>	<b>55.20%</b>	<b>20.29%</b>	<b>6.93%</b>	
<b>MS 2012</b>	<b>75.94%</b>	<b>22.88%</b>	<b>53.06%</b>	<b>17.63%</b>	<b>6.42%</b>	
<b>MS 2013</b>	<b>76.27%</b>	<b>32.06%</b>	<b>44.21%</b>	<b>16.01%</b>	<b>7.71%</b>	
<b>MS 2014</b>	<b>77%</b>	<b>27%</b>	<b>50%</b>	<b>17%</b>	<b>06%</b>	
<b>MS 2015</b>	<b>78%</b>	<b>26%</b>	<b>52%</b>	<b>15%</b>	<b>6%</b>	
<b>MS 2016</b>	<b>78%</b>	<b>27%</b>	<b>51%</b>	<b>16%</b>	<b>5%</b>	
<b>MS 2017</b>						

**29. I feel I know more about myself and what I am able to do as a result of my technology education class.**

<b><u>Year</u></b>	<b><u>Agree Tot.</u></b>	<b><u>SA</u></b>	<b><u>A</u></b>	<b><u>DA</u></b>	<b><u>SDA</u></b>	<b><u>MC</u></b>
<b><u>MS 2004</u></b>	<b>70.59%</b>	<b>51.85%</b>	<b>18.74%</b>	<b>5.56%</b>	<b>10.06%</b>	<b>.94%</b>
<b><u>MS 2005</u></b>	<b>66.41%</b>	<b>35.30%</b>	<b>31.11%</b>	<b>19.09%</b>	<b>13.22%</b>	<b>1.28%</b>
<b><u>MS 2009</u></b>	<b>65.80%</b>	<b>19.20%</b>	<b>46.60%</b>	<b>23.70%</b>	<b>10.50%</b>	
<b>MS 2010</b>	<b>66.0%</b>	<b>16.0%</b>	<b>50.0%</b>	<b>31.0%</b>	<b>15.0%</b>	
<b>MS 2011</b>	<b>63.62%</b>	<b>15.74%</b>	<b>47.86%</b>	<b>25.94%</b>	<b>10.46%</b>	
<b>MS 2012</b>	<b>68.66%</b>	<b>19.83%</b>	<b>48.83%</b>	<b>21.74%</b>	<b>9.60%</b>	
<b>MS 2013</b>	<b>65.70%</b>	<b>27.65%</b>	<b>38.05%</b>	<b>22.38%</b>	<b>11.91%</b>	
<b>MS 2014</b>	<b>69%</b>	<b>24%</b>	<b>45%</b>	<b>21%</b>	<b>10%</b>	
<b>MS 2015</b>	<b>66%</b>	<b>23%</b>	<b>43%</b>	<b>23%</b>	<b>11%</b>	
<b>MS 2016</b>	<b>69%</b>	<b>25%</b>	<b>44%</b>	<b>21%</b>	<b>10%</b>	
<b>MS 2017</b>						

**30. School is more important to me as a result of my technology education class.**

<u>Year</u>	<u>Agree</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>64.57%</b>	<b>48.57%</b>	<b>16.00%</b>	<b>6.83%</b>	<b>14.66%</b>	<b>1.34%</b>
<b>MS 2005</b>	<b>56.86%</b>	<b>29.26%</b>	<b>27.60%</b>	<b>21.10%</b>	<b>20.64%</b>	<b>1.39%</b>
<b>MS 2009</b>	<b>53.40%</b>	<b>15.20%</b>	<b>38.20%</b>	<b>30.0%</b>	<b>16.70%</b>	
<b>MS 2010</b>	<b>54.0%</b>	<b>14.0%</b>	<b>40.0%</b>	<b>31.0%</b>	<b>15.0%</b>	
<b>MS 2011</b>	<b>52.14%</b>	<b>13.55%</b>	<b>38.59%</b>	<b>30.32%</b>	<b>17.55%</b>	
<b>MS 2012</b>	<b>55.56%</b>	<b>17.93%</b>	<b>37.63%</b>	<b>28.96%</b>	<b>15.48%</b>	
<b>MS 2013</b>	<b>57.44%</b>	<b>23.90%</b>	<b>33.54%</b>	<b>25.32%</b>	<b>17.22%</b>	
<b>MS 2014</b>	<b>56%</b>	<b>19%</b>	<b>37%</b>	<b>27%</b>	<b>17%</b>	
<b>MS 2015</b>	<b>55%</b>	<b>17%</b>	<b>38%</b>	<b>28%</b>	<b>13%</b>	
<b>MS 2016</b>	<b>57%</b>	<b>22%</b>	<b>35%</b>	<b>28%</b>	<b>15%</b>	
<b>MS 2017</b>						

**31. Technology class has helped me to identify what I would like to take in college.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>60.49%</b>	<b>45.92%</b>	<b>14.57%</b>	<b>7.41%</b>	<b>15.53%</b>	<b>1.12%</b>
<b>MS 2005</b>	<b>53.28%</b>	<b>29.18%</b>	<b>24.10%</b>	<b>21.73%</b>	<b>23.77%</b>	<b>1.22%</b>
<b>MS 2009</b>	<b>48.70%</b>	<b>15.90%</b>	<b>32.80%</b>	<b>35.0%</b>	<b>16.4%</b>	
<b>MS 2010</b>	<b>46.00%</b>	<b>13.00%</b>	<b>33.0%</b>	<b>37.0%</b>	<b>17.0%</b>	
<b>MS 2011</b>	<b>43.43%</b>	<b>11.80%</b>	<b>31.63%</b>	<b>38.12%</b>	<b>18.45%</b>	
<b>MS 2012</b>	<b>48.29%</b>	<b>16.15%</b>	<b>32.14%</b>	<b>35.75%</b>	<b>15.95%</b>	
<b>MS 2013</b>	<b>52.31%</b>	<b>23.42%</b>	<b>28.89%</b>	<b>27.79%</b>	<b>19.90%</b>	
<b>MS 2014</b>	<b>49%</b>	<b>18%</b>	<b>31%</b>	<b>34%</b>	<b>17%</b>	
<b>MS 2015</b>	<b>48%</b>	<b>17%</b>	<b>31%</b>	<b>34%</b>	<b>19%</b>	
<b>MS 2016</b>	<b>48%</b>	<b>19%</b>	<b>29%</b>	<b>36%</b>	<b>16%</b>	
<b>MS 2017</b>						

**32. The Technology Education program in my school is important and beneficial.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>76.77%</b>	<b>60.48%</b>	<b>16.29%</b>	<b>3.70%</b>	<b>8.37%</b>	<b>.74%</b>
<b>MS 2005</b>	<b>76.48%</b>	<b>43.95%</b>	<b>32.53%</b>	<b>13.57%</b>	<b>8.81%</b>	<b>1.14%</b>
<b>MS 2009</b>	<b>77.50%</b>	<b>24.70%</b>	<b>52.80%</b>	<b>14.30%</b>	<b>8.20%</b>	
<b>MS 2010</b>	<b>79.00%</b>	<b>24.0%</b>	<b>55.0%</b>	<b>14.0%</b>	<b>7.00%</b>	
<b>MS 2011</b>	<b>76.00%</b>	<b>22.92%</b>	<b>53.08%</b>	<b>16.11%</b>	<b>7.90%</b>	
<b>MS 2012</b>	<b>79.60%</b>	<b>28.16%</b>	<b>51.44%</b>	<b>13.55%</b>	<b>6.86%</b>	
<b>MS 2013</b>	<b>76.55%</b>	<b>33.71%</b>	<b>42.84%</b>	<b>13.91%</b>	<b>9.54%</b>	
<b>MS 2014</b>	<b>79%</b>	<b>29%</b>	<b>50%</b>	<b>13%</b>	<b>07%</b>	
<b>MS 2015</b>	<b>79%</b>	<b>30%</b>	<b>49%</b>	<b>14%</b>	<b>8%</b>	
<b>MS 2016</b>	<b>84%</b>	<b>34%</b>	<b>49%</b>	<b>10%</b>	<b>6%</b>	
<b>MS 2017</b>						

**33. I think taking technology education is important for every student.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>76.01%</b>	<b>60.66%</b>	<b>15.35%</b>	<b>4.11%</b>	<b>9.08%</b>	<b>.94%</b>
<b>MS 2005</b>	<b>73.35%</b>	<b>45.83%</b>	<b>27.52%</b>	<b>15.12%</b>	<b>10.52%</b>	<b>1.01%</b>
<b>MS 2009</b>	<b>72.20%</b>	<b>25.60%</b>	<b>46.60%</b>	<b>18.0%</b>	<b>9.80%</b>	
<b>MS 2010</b>	<b>73.00%</b>	<b>26.0%</b>	<b>47.0%</b>	<b>19.0%</b>	<b>8.00%</b>	
<b>MS 2011</b>	<b>69.06%</b>	<b>23.70%</b>	<b>45.36%</b>	<b>21.14%</b>	<b>9.80%</b>	
<b>MS 2012</b>	<b>73.22%</b>	<b>28.70%</b>	<b>44.52%</b>	<b>18.73%</b>	<b>8.06%</b>	
<b>MS 2013</b>	<b>70.56%</b>	<b>34.40%</b>	<b>36.16%</b>	<b>18.39%</b>	<b>11.05%</b>	
<b>MS 2014</b>	<b>73%</b>	<b>31%</b>	<b>42%</b>	<b>18%</b>	<b>9%</b>	
<b>MS 2015</b>	<b>72%</b>	<b>31%</b>	<b>41%</b>	<b>19%</b>	<b>9%</b>	
<b>MS 2016</b>	<b>77%</b>	<b>33%</b>	<b>43%</b>	<b>17%</b>	<b>6%</b>	
<b>MS 2017</b>						

**34. I plan on taking technology education courses in high school.**

<u>Year</u>	<u>Agree Tot.</u>	<u>SA</u>	<u>A</u>	<u>DA</u>	<u>SDA</u>	<u>MC</u>
<b>MS 2004</b>	<b>66.15%</b>	<b>55.73%</b>	<b>10.42%</b>	<b>4.40%</b>	<b>12.96%</b>	<b>1.14%</b>
<b>MS 2005</b>	<b>62.66%</b>	<b>38.86%</b>	<b>23.80%</b>	<b>15.99%</b>	<b>20.21%</b>	<b>1.14%</b>
<b>MS 2009</b>	<b>61.40%</b>	<b>23.0%</b>	<b>38.40%</b>	<b>24.20%</b>	<b>14.40%</b>	
<b>MS 2010</b>	<b>63.00%</b>	<b>22.0%</b>	<b>41.0%</b>	<b>23.0%</b>	<b>14.0%</b>	
<b>MS 2011</b>	<b>58.61%</b>	<b>19.92%</b>	<b>38.71%</b>	<b>26.0%</b>	<b>15.39%</b>	
<b>MS 2012</b>	<b>65.11%</b>	<b>24.68%</b>	<b>40.43%</b>	<b>21.64%</b>	<b>13.24%</b>	
<b>MS 2013</b>	<b>63.18%</b>	<b>31.40%</b>	<b>31.78%</b>	<b>19.77%</b>	<b>17.05%</b>	
<b>MS 2014</b>	<b>66%</b>	<b>27%</b>	<b>39%</b>	<b>21%</b>	<b>14%</b>	
<b>MS 2015</b>	<b>62%</b>	<b>26%</b>	<b>37%</b>	<b>22%</b>	<b>16%</b>	
<b>MS 2016</b>	<b>67%</b>	<b>28%</b>	<b>39%</b>	<b>21%</b>	<b>12%</b>	
<b>MS 2017</b>						