

MANUFACTURING DAY 2018 REPORT ON STUDENT TOURS

MFG DAY is a national outreach effort sponsored by manufacturing organizations to promote manufacturing career pathways and opportunities. It was established in 2012 and has grown every year. Starting in 2013 and in connection with the national engagement efforts, the Florida Advanced Technological Center of Excellence (FLATE) has facilitated 855 student tours impacting 25,178 students and 1,619 educators who have visited 726 manufacturing companies across the state of Florida. Companies from fifty of Florida's sixty-seven counties have hosted a student tour at least once. Approximately twenty-five percent of the students visiting facilities returned a student survey about their experience on their MFG DAY Florida tour.

This report consists of a 6-year data summary, a summary of all the student tour survey responses from the 2018 tours, break out student tour survey responses for those regions that held student tours and participated in the survey, and some sample student comments. Overwhelmingly the student responses are extremely positive. Individual comments from students are most commonly about the high-tech machines, how they work and "assembly lines". They also positively comment about work being hands-on, interesting and fast paced. Other comments included learning about the importance of manufacturing in their communities, great tour guides and company hosts, and interesting and "high tech" careers possibilities.

FLATE also surveys educators/chaperons and company hosting tours about their MFG DAY Florida experiences. Educators continue to rate the tours as excellent experiences both for themselves and for their students. 96% of the industry tour hosts say that the tours are worth their time and investment and find the tours also help to build camaraderie and community within their companies from the front office to the loading docks.

We look forward to working with companies, schools and organizations in Florida this fall to provide student tours of manufacturing facilities every year. We thank our many partners in this effort because we certainly could not do it alone. You can find more information about MFG DAY on our website, www.mfgday-fl.com and tour resources on our wiki site, www.flate.pbwiki.com. Please don't hesitate to contact us if you have any questions about the data reported in this document or if you are interested in participating in the future.

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2013-2018 Florida MFG Day Industry Tours Summary Data



FL Dashboard	2013	2014	2015	2016	2017*	2018*	Total Cumulative
Counties	23	39	50	32	32	21	-
Students	2,307	3,150	4,770	4,846	5,070	5,035	25,178
Teachers	110	174	318	268	359	390	1,619
Parents	66	113	318	217	120	129	963
Student Tours	72	95	159	186	165	178	855
Student Surveys	1,286	1,496	2,076	1,764	2,202	1,237	10,061
Manuf. Employees	225	350	636	569	680	798	3,258
In-kind & Cash	>\$30K	>\$50K	>\$145K	>177K	>\$412K	>\$429K	>\$1,243M

**Years 2017 & 2018 included virtual tours*



Florida MFG DAY & Month 2018 Student Survey Results

Participating Counties: Broward, Hernando, Hillsborough, Marion, Nassau, Orange, Pasco, Pinellas, Polk

Post Tour Survey Questions	No Other	Yes Girls	Yes Boys	No Other	No Girls	No Boys	Total Yes	Total No	Total Responses
1. I was considering a career in advanced manufacturing before the tour.	2	73	253	8	396	487	328	891	1219
2. My teachers have talked about advanced manufacturing with my class.	5	264	530	5	204	224	799	433	1232
3. Today I learned about technologies used in advanced manufacturing industries and manufactured products.	10	450	704	0	19	39	1164	58	1222
4. This tour gave me new information about careers in advanced manufacturing.	10	436	707	0	32	36	1153	68	1221
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are put to work in	9	425	656	1	43	86	1090	130	1220
6. I would recommend that other students have the opportunity of this tour.	10	431	681	0	40	61	1122	101	1223
7. I am now considering a career in advanced manufacturing.	4	169	408	6	296	322	581	624	1205
Total Responses	50	2248	3939	20	1030	1255	6237	2305	
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.									
131.51%	Additional growth for girls considering a career in advanced manufacturing before and after the tour.								
61.26%	Additional growth for boys considering a career in advanced manufacturing before and after the tour.								
77.13%	Additional Growth for both boys & girls considering a career in advanced manufacturing before and after the tour.								

Total Students that Went on Tours: 5,035

Surveyed Students

Boys:	753	Girls:	473	Other	11	TOTAL 1,237
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Ethnicity

Asian	Black	Hispanic	White	Other	NR
97	232	398	624	39	10

Grade

6th	7th	8th	9th	10th	11th	12th	NR
125	77	115	111	187	351	210	59

Statewide Total Student Surveys Collected Statewide (Data includes virtual tours): 1237

nr: not reported



Florida MFG DAY & Month 2018 Survey Results

Broward County

Industry Tour Sites: ACR Electronics, Inc.; *Hoerbiger Corporation; *Ligi Tool & Engineering, Inc.

Participating Schools: Atlantic Technical College & High School; American Heritage School; Boyd H. Anderson Middle School

Post Tour Survey Questions	Yes Girls	Yes Boys	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	2	10	8	9	12	17
2. My teachers have talked about advanced manufacturing with my class.	9	14	1	5	23	6
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	10	17	0	2	27	2
4. This tour gave me new information about careers in advanced manufacturing.	9	17	1	2	26	3
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are	10	18	0	1	28	1
6. I would recommend that other students have the opportunity of this tour.	9	19	1	0	28	1
7. I am now considering a career in advanced manufacturing.	3	11	7	8	14	15
Total Responses	52	106	18	27	158	45
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.						
50.00%	Change for female considering a career in advanced manufacturing before and after the tour.					
10.00%	Change for male considering a career in advanced manufacturing before and after the tour.					
16.67%	Change for both male & female considering a career in advanced manufacturing before and after the tour.					

* Submitted surveys

Total students that went on tours: 78

Surveyed Students	Boys:	19	Girls:	11	Total	30
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
7	7	8	7	1

Grade:

6th	7th	8th	9th	10th	11th	12th
0	0	0	1	2	0	26

Comments from Students:

"Going through the automated factory and looking at the automation was very interesting. The CNCs with the tool change made our lab's CNC look sad."

"The presentation was very informative and explained well to students who may not have experience in this field. The tour through the factory was my favorite part because of the automation behind the production. The cyclical movement of each of the robots as they went through different stages of production was very mesmerizing and great to watch."

"I really liked the factory tour. Being someone who has done robotics for most of my educational career, it was fascinating to see how robots are improving efficiency within factories and making processes a lot easier for everyone, the producer and the consumer."



Florida MFG DAY & Month 2018 Survey Results Hernando County

Industry Tour Sites: *Alumi-Guard, *Accuform, *Amskills, *Cemex, Amskills, Qorvo, *ICTC, Intrepid Machines, Sparton Electronics, Leggett & Platt

Participating Schools: Bishop HS, Central HS, Hernando HS, Nature Coast Tech., Powell MS, Springstead HS, Weeki Wachee HS, Winding Waters
K8

Post Tour Survey Questions		Yes Girls	Yes Boys	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.		19	45	96	102	64	198
2. My teachers have talked about advanced manufacturing with my class.		48	85	68	62	133	130
3. Today I learned about technologies used in advanced manufacturing industries and manufactured		102	123	12	23	225	35
4. This tour gave me new information about careers in advanced manufacturing.		98	130	17	18	228	35
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are		97	116	18	32	213	50
6. I would recommend that other students have the opportunity of this tour.		92	120	25	27	212	52
7. I am now considering a career in advanced manufacturing.		32	71	84	74	103	158
Total Responses		488	690	320	338	1178	658
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.							
68.42%	Change for female considering a career in advanced manufacturing before and after the tour.						
57.78%	Change for male considering a career in advanced manufacturing before and after the tour.						
60.94%	Change for both male & female considering a career in advanced manufacturing before and after the tour.						

* Submitted surveys

Total students that went on tours: 428

Surveyed Students	Boys:	151	Girls:	117	Total	268
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
23	31	60	189	13

Grade:

6th	7th	8th	9th	10th	11th	12th
67	48	1	41	58	29	15

*Note: Data includes 25 virtual tour surveys

Comments from Students

"I liked that the tour informed me about jobs. I also liked seeing the technology."

"My favorite part was when they built the airplane simulator. My second favorite part was when they went through a brief summary of what Leggett and Platt was and i saw lots of things that i use and recognize."

"I like how it told me about different careers for a lifetime and how you can be successful. I liked how the people described their companies very well."



Florida MFG DAY & Month 2018 Survey Results

Hillsborough County

Industry Tour Sites: *Creative Sign Designs, *EMS, Inc., *HCC, HeatPipe Technologies, Mettler Toledo Safeline, *SMT, Sypris Electronics, Tampa Brass & Aluminum Corp., *Tampa Bay Steel

Participating Schools: Alonso HS, Bloomingdale HS, Buchanan MS, Gaither HS, Greco MS, Hillsborough HS, Leto HS, Madison MS, Marshall MS, McLane MS, Middleton HS, Tampa Bay Tech., Turner Bartles K8, Webb MS, Wilson MS

Post Tour Survey Questions	Yes Girls	Yes Boys	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	7	24	41	64	31	105
2. My teachers have talked about advanced manufacturing with my class.	38	76	9	12	114	21
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	48	87	0	1	135	1
4. This tour gave me new information about careers in advanced manufacturing.	45	84	2	2	129	4
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are put	44	80	4	8	124	12
6. I would recommend that other students have the opportunity of this tour.	46	83	2	5	129	7
7. I am now considering a career in advanced manufacturing.	20	44	28	44	64	72
Total Responses	248	478	86	136	726	222
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.						
185.71%	Change for female considering a career in advanced manufacturing before and after the tour.					
83.33%	Change for male considering a career in advanced manufacturing before and after the tour.					
106.45%	Change for both male & female considering a career in advanced manufacturing before and after the tour.					

* Submitted surveys

Total students that went on tours: 644

Surveyed Students	Boys:	89	Girls:	48	Total	137
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
16	34	58	47	6

Grade:

6th	7th	8th	9th	10th	11th	12th
6	15	43	5	24	22	18

Comments from Students:

"I liked how we were able to see how the different processes of manufacturing that we learned in class were being applied in real life. I also enjoyed when we saw how the CNC Milling machine was used"

"I liked watching the laser cutter, CNC machine, and the water jet cut and shape the metals. I also enjoyed seeing AutoCAD (a program I am certified in) used in the industry."

"I liked how this tour visually showed us their 3-D printers and briefly described each one as well as describing what a 3-D printer was in general. It was also very interesting to see how their scanners worked and how detailed some of them could be."



Florida MFG DAY & Month 2018 Survey Results Marion County

Industry Tour Sites: *American Panel Corp., Artemis Plastics, *Cardinal LG Co., *ClosetMaid Corp., *Custom Window Systems, Inc., *Dimenson Works, *Hale Products, Inc., *I-Tec, Lockheed Martin, *Ocala Electric Utility, *Raney's Inc., *Signature Brands, *SPX Flow Technology, *Townley Manufacturing Co., *USA Scientific, *Winco MFG LLC

Participating Schools: Belleview HS, Dunnellon HS, Forest HS, Lake Weir HS, North Marion HS, Vanguard HS, West Port HS

Post Tour Survey Questions	Yes Other	Yes Girls	Yes Boys	No Other	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	1	9	31	4	102	90	40	192
2. My teachers have talked about advanced manufacturing with my class.	1	36	57	4	75	76	93	151
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	5	111	120	0	1	0	231	1
4. This tour gave me new information about careers in advanced manufacturing.	5	111	121	0	0	0	232	0
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are	5	106	118	0	5	2	224	7
6. I would recommend that other students have the opportunity of this tour.	5	110	120	0	2	0	230	2
7. I am now considering a career in advanced manufacturing.	1	31	63	4	75	53	94	128
Total Responses	23	514	630	12	260	221	1144	481
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.								
244.44%	Change for female considering a career in advanced manufacturing before and after the tour.							
103.23%	Change for male considering a career in advanced manufacturing before and after the tour.							
135.00%	Change for both male & female considering a career in advanced manufacturing before and after the tour.							

* Submitted surveys

Total students that went on tours: 600

Surveyed Students	Boys:	122	Girls:	112	Other	5	Total	239
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
14	50	86	97	6

Grade:

6th	7th	8th	9th	10th	11th	12th
0	0	0	0	14	207	5

Comments from Students:

"I learned that there is a lot more to manufacturing than I thought. I learned how they figure out what materials to make the tubes out of."

"I liked most about the tour was learning how Cardinal Glass makes shatter proof glass. I also enjoyed learning about I-Tec's missions to different countries."

"I liked learning about all the steps it takes to get the end product. They went through many inspections and procedures even after to guarantee their product."



Florida MFG DAY & Month 2018 Survey Results

Nassau County

Industry Tour Sites: *FL Machine Works, *FL Sun Printing, *Masonite, *Rayonier Advanced Materials , *Science First

Participating Schools: Callahan, Fernandina Beach, Hilliard Middle Sr. High, West Nassau HS, Yulee HS

Post Tour Survey Questions	Yes Other	Yes Girls	Yes Boys	No Other	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	0	3	5	1	34	29	8	64
2. My teachers have talked about advanced manufacturing with my class.	1	18	23	0	18	11	42	29
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	1	37	34	0	0	0	72	0
4. This tour gave me new information about careers in advanced manufacturing.	1	37	33	0	0	0	71	0
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are	1	35	30	0	1	4	66	5
6. I would recommend that other students have the opportunity of this tour.	1	36	32	0	1	1	69	2
7. I am now considering a career in advanced manufacturing.	1	8	14	0	29	19	23	48
Total Responses	6	174	171	1	83	64	351	148
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.								
166.67%	Change for girls considering a career in advanced manufacturing before and after the tour.							
180.00%	Change for boys considering a career in advanced manufacturing before and after the tour.							
187.50%	Change for both boys & girls considering a career in advanced manufacturing before and after the tour.							

* Submitted surveys

Total students that went on tours: 350

Surveyed Students	Boys:	34	Girls:	37	Other	1	Total	72
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
5	9	35	32	0

Grade:

6th	7th	8th	9th	10th	11th	12th
0	0	5	14	22	10	21

Comments from Students:

"I liked Masonite it was very interesting and I would love to go and work for their company next summer."

"I liked being able to see a real working environment and what they get to do every day the people were very nice and they explained everything very well Thank you."

"How engaged the people were in explaining their jobs and the technology being used."



Florida MFG DAY & Month 2018 Survey Results

Orange County

Industry Tour Sites: *Amazon Hose & Rubber Co., *Ashland Technologies, Inc., Creative Signs, *Custom Metal Designs, *Data Graphics, *Dusobox, *Invacare, JBT Corp., Nautique Boat Company, Northrop Grumman, Regal Marines Industries, *Vox Automotive

Participating Schools: East River HS, Edgewater HS, Evans HS, Cypress Creek HS, Maynard HS, Olympia HS, Timber Creek HS, Wekiva HS, Winter Park HS

Post Tour Survey Questions	Yes Girls	Yes Boys	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	6	7	21	27	13	48
2. My teachers have talked about advanced manufacturing with my class.	23	27	4	6	50	10
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	26	29	1	5	55	6
4. This tour gave me new information about careers in advanced manufacturing.	24	30	3	4	54	7
5. The tour helped me understand how STEM subjects (science, technology, engineering and math)	25	29	2	6	54	8
6. I would recommend that other students have the opportunity of this tour.	27	29	0	5	56	5
7. I am now considering a career in advanced manufacturing.	14	11	13	23	25	36
Total Responses	145	162	44	76	307	120
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.						
133.33%	Change for girls considering a career in advanced manufacturing before and after the tour.					
57.14%	Change for boys considering a career in advanced manufacturing before and after the tour.					
92.31%	Change for both boys & girls considering a career in advanced manufacturing before and after the tour.					

* Submitted surveys

Total students that went on tours: 400

Surveyed Students	Boys:	35	Girls:	27	Total	62
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
3	24	20	23	3

Grade:

6th	7th	8th	9th	10th	11th	12th
0	0	0	1	14	21	22

Comments from Students:

"I liked the technology and the presentation of the products. i also liked the manufacturing process and complexity of their process of making and releasing products."

"I enjoyed seeing the designing process of the technology behind the rides Ashland Tech. creates. I also enjoyed the VR roller coaster that I was allowed to sample."

"What I liked most about the tour was how they showed us around the whole shop and told us what goes on with each machine. I also liked how they showed us the models of the roller coasters."



Florida MFG DAY & Month 2018 Survey Results

Pasco County

Industry Tour Sites: AMSkills, *Bay Tech Industries, Inc., FACTS Engineering LLC, Global ETS LLC, Nestle Water, Old Castle Coastal, Pall Aeropower Corp., *PharmaWorks, Seaway Plastics Engineering LLC, *TRU-Simulation, Welbilt

Participating Schools: Cypress Creek MS, Career Source's Youth Program, Fivay HS, Gulf HS, Pasco HS, River Ridge HS, Sunlake HS, Wendell Krinn Tech., Zephyrhills HS

Post Tour Survey Questions	Yes Girls	Yes Boys	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	2	16	5	15	18	20
2. My teachers have talked about advanced manufacturing with my class.	5	23	2	8	28	10
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	6	32	1	0	38	1
4. This tour gave me new information about careers in advanced manufacturing.	6	30	1	2	36	3
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are	7	28	0	4	35	4
6. I would recommend that other students have the opportunity of this tour.	6	29	1	3	35	4
7. I am now considering a career in advanced manufacturing.	3	17	4	15	20	19
Total Responses	35	175	14	47	210	61
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.						
50.00%	Change for female considering a career in advanced manufacturing before and after the tour.					
6.25%	Change for male considering a career in advanced manufacturing before and after the tour.					
11.11%	Change for both male & female considering a career in advanced manufacturing before and after the tour.					

* Submitted surveys

Total students that went on Tours: 440

Surveyed Students	Boys:	32	Girls:	7	Total	39
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
4	5	3	35	0

Grade:

6th	7th	8th	9th	10th	11th	12th
0	0	12	9	12	3	1

Comments from Students:

"I liked walking around and seeing all the things that people were working on and to see the complicated designing. They had to make sure that they did not lose any on 1,000s of pieces and I liked the commitment that goes into that."

"I liked the fact that I was able to see many steps of the design process in action. I was also really pleased that I got to see something that I wanted to possibly do in the future, and get to see what the finished process looks like."

"I enjoyed seeing how the geometric calculations go into simulations. The experience of seeing programming at work gave me an interest in the field."



Florida MFG DAY & Month 2018 Survey Results

Pinellas County

Industry Tour Sites: *American Tool & Mold, *AMTEK, Chromalloy/BELAC, ConMed, GE Aviation, H & S Swansons' Tool Co., *Hydro-Dyne Engineering, Inc., Lockheed Martin, *Mastercut Tool, Mill-Rite Woodworking, Molex, *Monin, National Molding, Pinellas Technical College at St. Petersburg, *S.S. White Technologies, TSE, *Valpak

Participating Schools: Azalea MS, Boca Ciega HS, Countryside HS, Dixie Hollins HS, Dunedin HS, East Lake HS, Largo HS, Northeast HS, Osceola MS, Osceola Fundamental HS, Palm Harbor MS, Pinellas Tech. HS, Seminole HS, Seminole MS, St. Petersburg College

Post Tour Survey Questions	Yes Other	Yes Girls	Yes Boys	No Other	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	0	14	52	3	49	82	66	134
2. My teachers have talked about advanced manufacturing with my class.	2	48	115	1	15	22	165	38
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	3	59	131	0	4	6	193	10
4. This tour gave me new information about careers in advanced manufacturing.	3	55	129	0	8	8	187	16
5. The tour helped me understand how STEM subjects (science, technology, engineering and math) are	2	54	119	1	9	17	175	27
6. I would recommend that other students have the opportunity of this tour.	3	55	119	0	7	18	177	25
7. I am now considering a career in advanced manufacturing.	1	28	84	2	35	51	113	88
Total Responses	14	313	749	7	127	204	1076	338
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.								
100.00%	Change for girls considering a career in advanced manufacturing before and after the tour.							
61.54%	Change for boys considering a career in advanced manufacturing before and after the tour.							
71.21%	Change for both boys & girls considering a career in advanced manufacturing before and after the tour.							

* Submitted surveys

Total students that went on tours: 614

Surveyed Students	Boys:	137	Girls:	63	Other	3	Total	203
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
19	32	40	134	9

Grade:

6th	7th	8th	9th	10th	11th	12th
51	14	54	10	24	21	18

Comments from Students:

"They were very engaging with us and explained thoroughly the process of their daily operations. They showed us both branches their company covers and gave us a very broad but concise demonstration of everything."

"What I liked most about the tour was that how in depth the guides went with explaining equipment during the tour. This explanation helped me better understand the equipment and procedures that I was looking at."

"The thing I most enjoyed about the tour was the hands-on experience in the industrial shop, as well as the in-depth explanation of all of the processes."



Florida MFG DAY & Month 2018 Survey Results Polk County

Industry Tour Sites: *Coca-Cola, *JC Machine, Inc., *Kegel Training Center, *MaxPak, *Medline Industries, inc., *Mid-State Industrial, Packing Corporation of America, *Pepperidge Farms, *Rooms to Go, *Sofidel America Corp.

Participating Schools: Bartow HS, Frostproof HS, Kathleen HS, Lake Wales HS, McKeel Academy, Mulberry HS, Ridge Community HS, Summerlin Academy, Tenoroc HS, Winter Haven HS

Post Tour Survey Questions	Yes Other	Yes Girls	Yes Boys	No Other	No Girls	No Boys	Total Yes	Total No
1. I was considering a career in advanced manufacturing before the tour.	1	11	63	0	40	69	74	109
2. My teachers have talked about advanced manufacturing with my class.	1	39	110	0	12	22	149	34
3. Today I learned about technologies used in advanced manufacturing industries and manufactured	1	51	131	0	0	2	182	2
4. This tour gave me new information about careers in advanced manufacturing.	1	51	133	0	0	0	184	0
5. The tour helped me understand how STEM subjects (science, technology, engineering and math)	1	47	118	0	4	12	165	16
6. I would recommend that other students have the opportunity of this tour.	1	50	130	0	1	2	180	3
7. I am now considering a career in advanced manufacturing.	1	30	93	0	21	35	123	56
Total Responses	7	279	778	0	78	142	1057	220
Advanced Manufacturing Perception Impact - Question Comparison for 1. & 7.								
172.73%	Change for female considering a career in advanced manufacturing before and after the tour.							
47.62%	Change for male considering a career in advanced manufacturing before and after the tour.							
66.22%	Change for both male & female considering a career in advanced manufacturing before and after the tour.							

* Submitted surveys

Total students that went on tours: 233

Surveyed Students	Boys:	134	Girls:	51	Other	1	Total	186
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Ethnicity:

Asian:	Black:	Hispanic:	White:	Other:
6	40	88	60	1

Grade:

6th	7th	8th	9th	10th	11th	12th
1	0	0	30	17	38	84

Comments from Students:

"Most people don't get to see these types of facilities in person, so it was very cool to see along with explanation. Getting to hear someone explain about their experiences and information at the plant is good to hear since I am still exploring career options."

"I liked the overall coverage of the process and learning about another service. The companies various members and workers and their hospitality was great as well."

"I enjoyed seeing what it's really like on the floor. Most shows or online isn't really what it's like. Seeing how it works helped me make a few decisions as well. Hearing what and how really points me where I need to go."