

Item V.B. S. C. Meeting 12/20/12

1-1 UPDATE SCHOOL COMMITTEE

12/20/12



Where are we this year?

* FY13 - Class of 2016 is going well

- Added Wireless to all Freshmen classrooms
- Procured 50 units for repairs, in school use, financial assistance, supplement classes of mostly freshmen
- Hired Network Administrator
- Began Program Evaluation
- Summer tech training for teachers/students/parents
- Will be adding more professional development for teachers and parents
- Continuing communication to parents and community

Evaluation Process

- Evaluation Team Participated Summer Training Program
- Established Central Claim & Indicators to Evaluate the Program
- Electronic Surveys to Parents, Students, and Teachers (November and April)
- Focus Groups (November and April)

Central Claim: The 1-1 program will facilitate safe, technology-rich, differentiated learning environments and actively engage students in learning that mirrors the world around them.

Evaluation Process

Indicators Domains:

- Learning Environment
- Professional Development
- Infrastructure
- Community Support

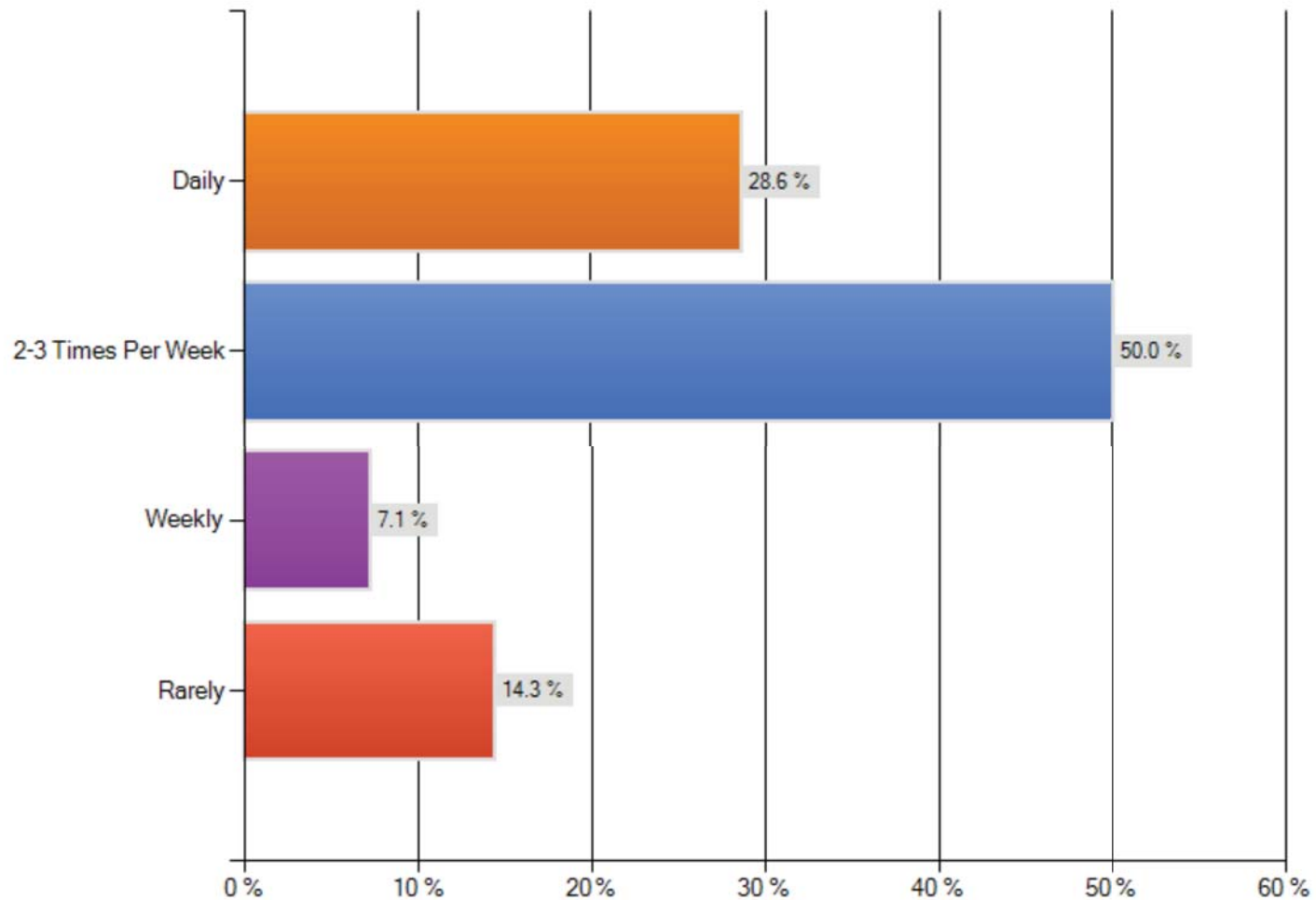
Sample Indicators:

- The 1-1 environment has increased opportunities for students to explore and engage actively in new and different ways. (Learning Environment)
- The 1-1 Professional development provides skills for teaching in a 1-1 learning environment. (Professional Development)
- The infrastructure maintains reliable networks and systems for the 1-1 program. (Infrastructure)
- The 1-1 program communicates with all stakeholders clearly and frequently. (Community)

Teacher Data

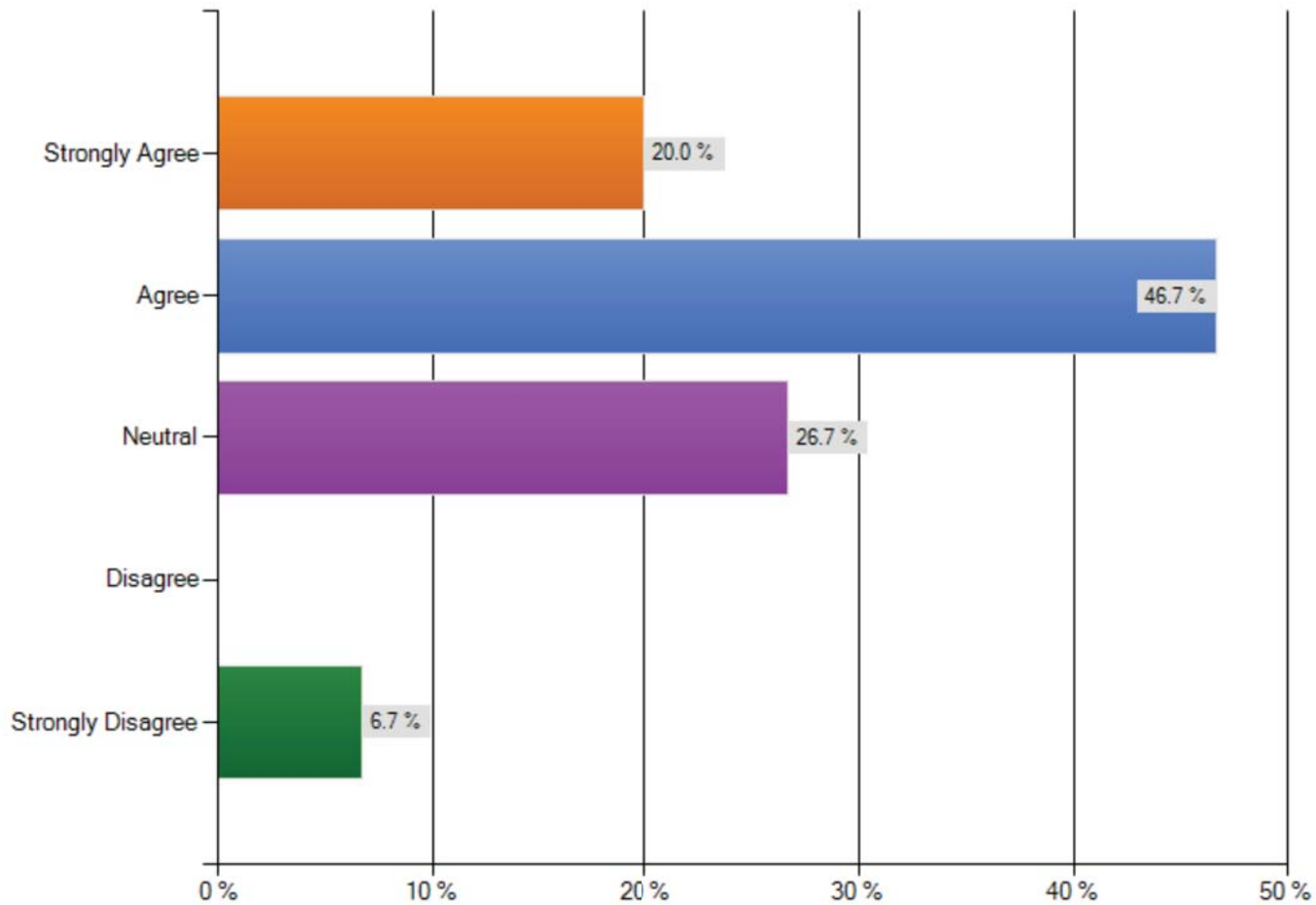
Learning Environment

How frequently are students using their laptops for in-class work in your 9th grade course(s)?



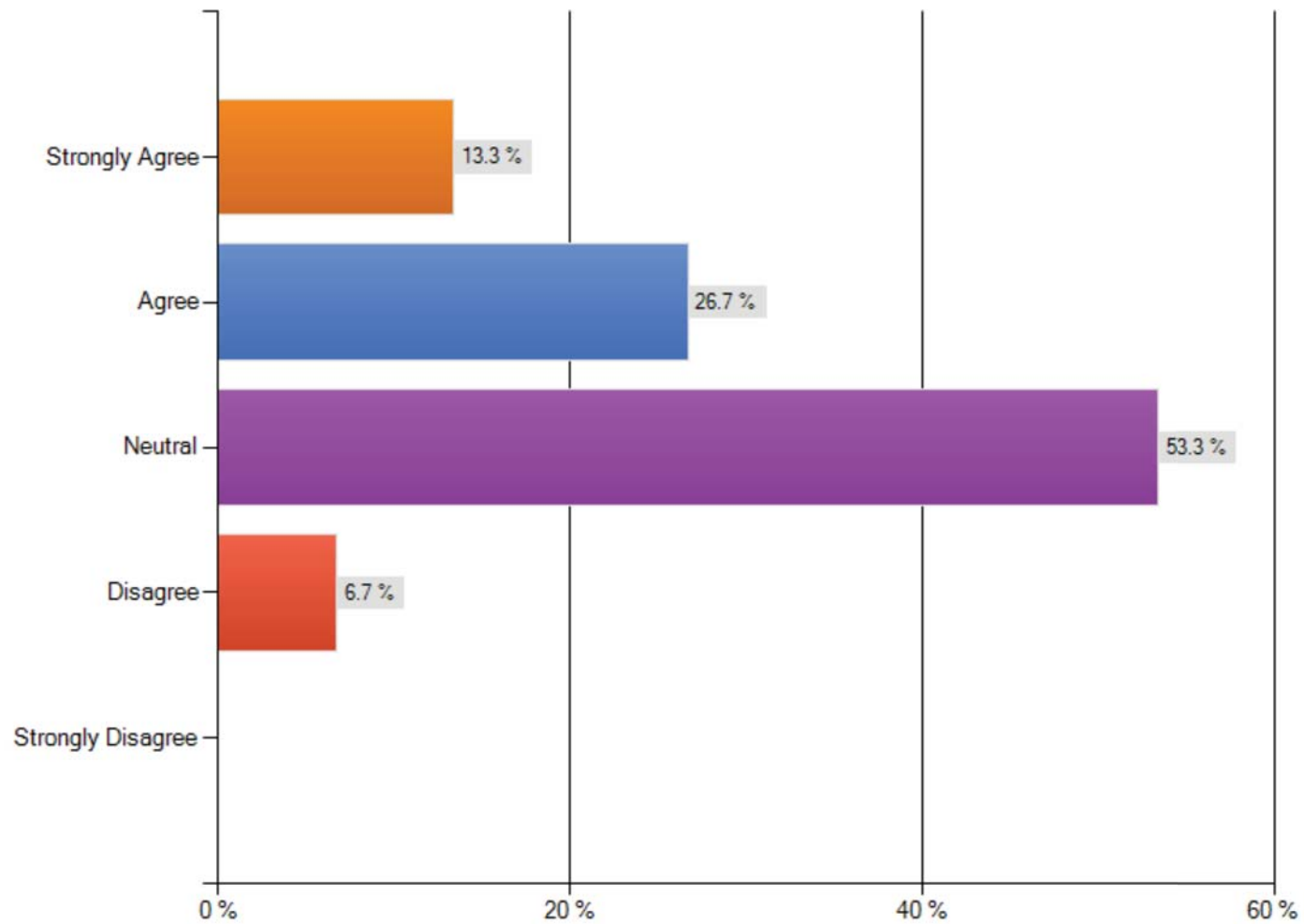
Learning Environment

Daily access to a laptop increases opportunities for students to explore and engage actively in new and different ways in my classroom.



Learning Environment

The 1-1 program has helped me to meet the individual learning needs of students.



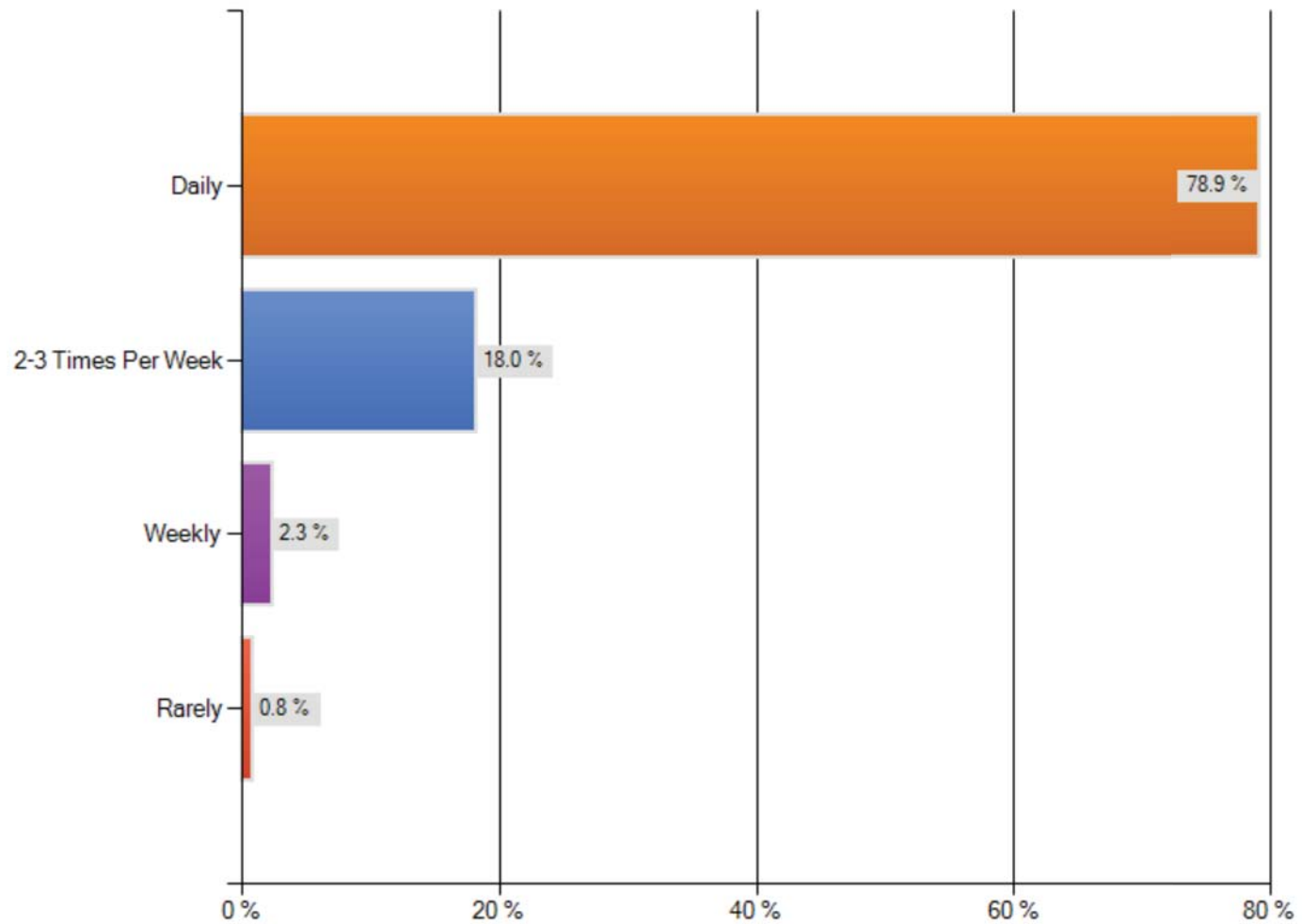
Summary Teacher Focus Group

- Program provides opportunity differentiated instruction
- Allows teachers to design learning activities they could not do before
- Students are better able to keep organized using Google Docs and Moodle
- Enables teachers to communicate with students efficiently and in more ways (e.g. chat)
- Teachers emphasized need for additional PD to help them use laptops effectively in the classroom

Student Data

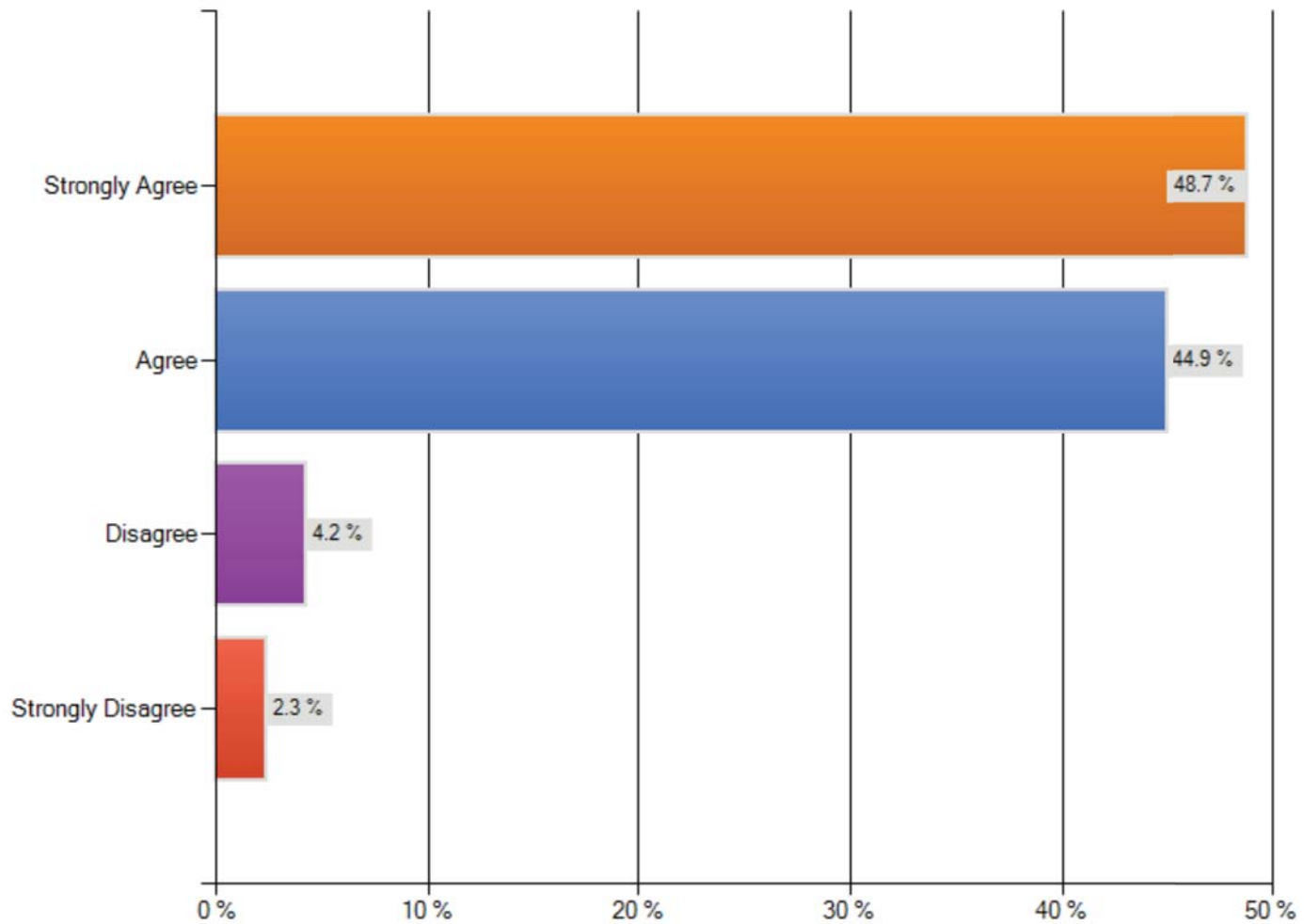
Learning Environment

How frequently are you using your laptop in your core classes?



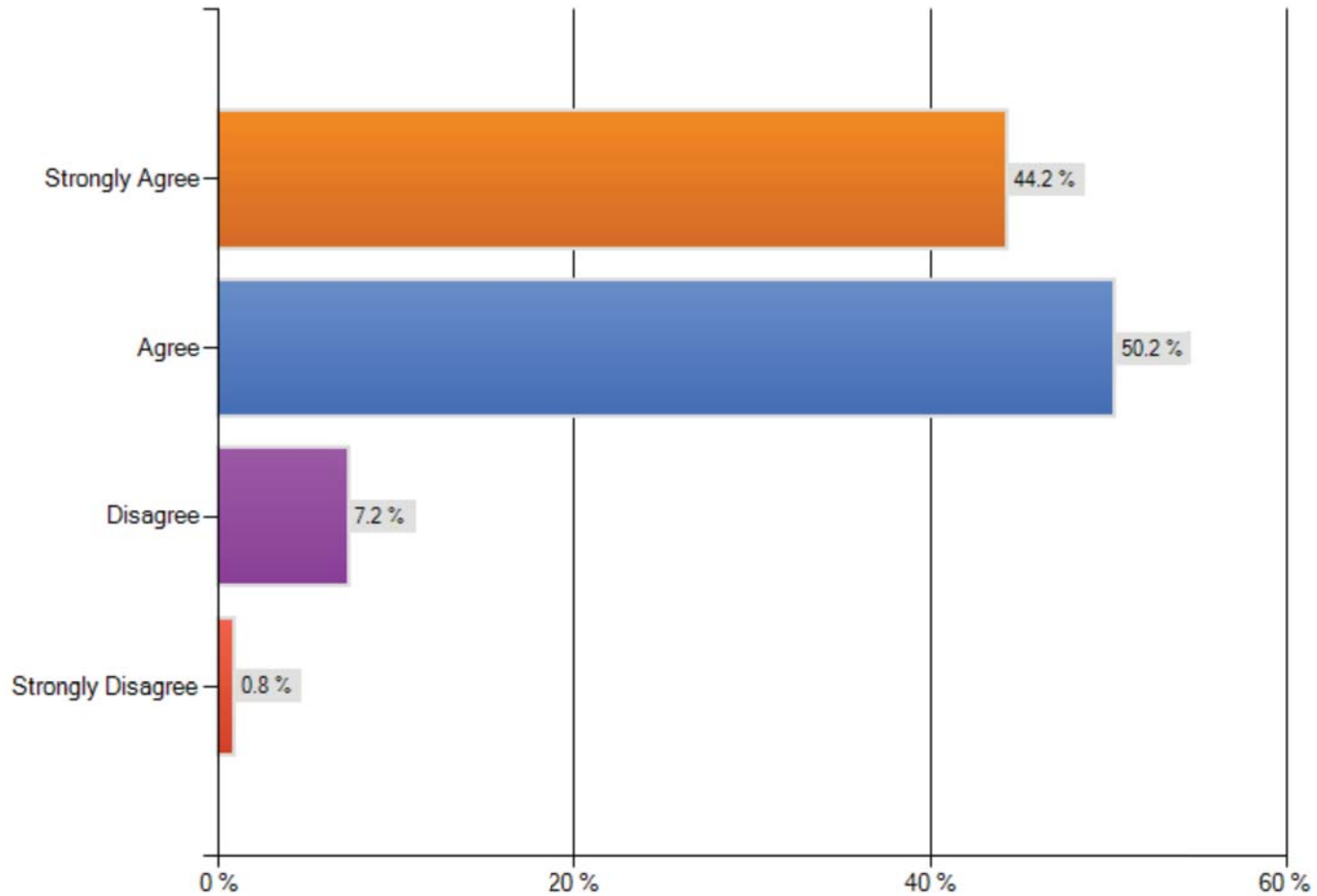
Learning Environment

The 1-1 program makes learning more enjoyable.



Learning Environment

Daily access to a laptop provides me with opportunities to learn in new and different ways?



Summary Student Focus Group

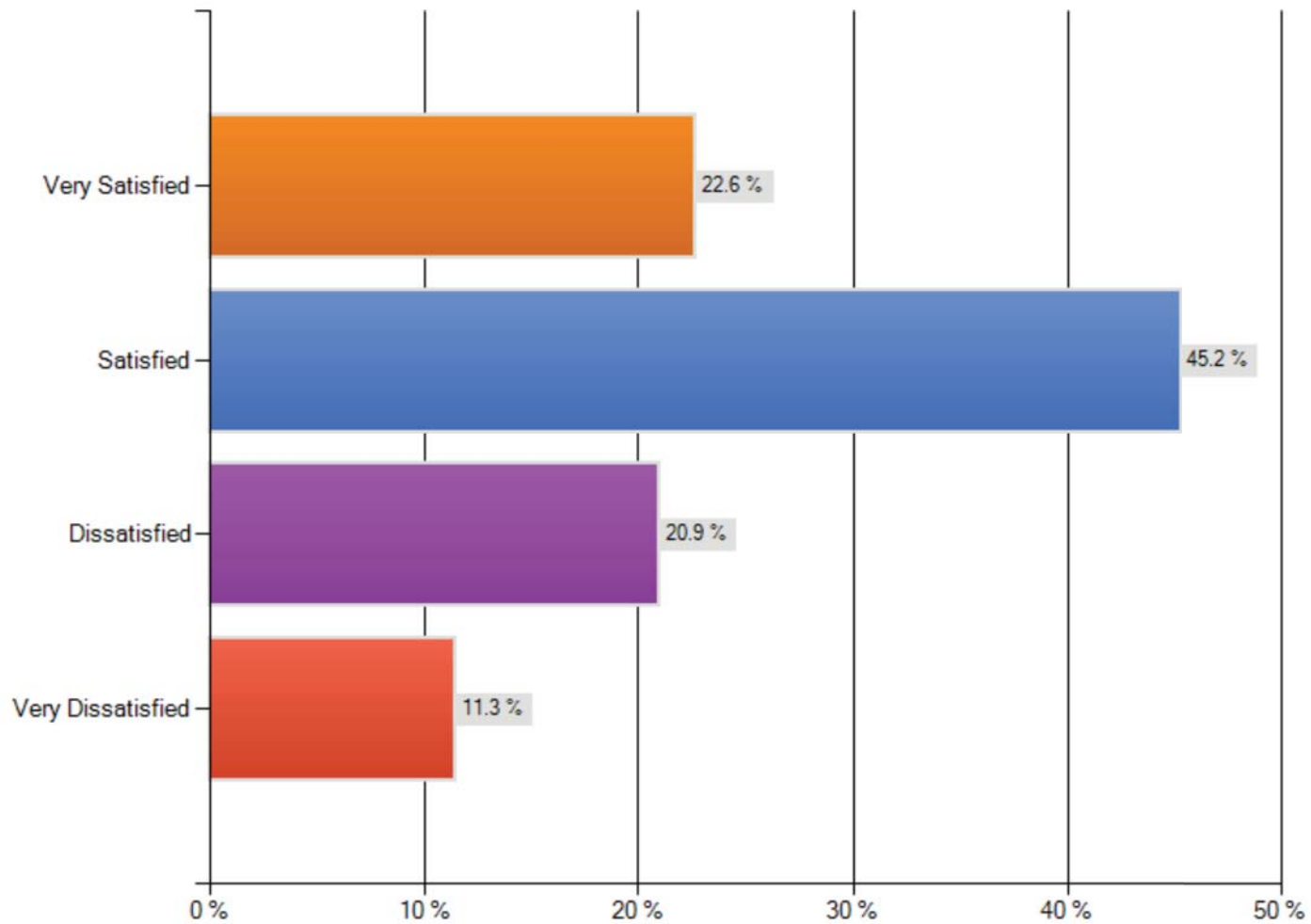
Students are using it every day in class and out of class

- Really helpful for reviewing material taught in class
- Students use it for projects and feel that they are more creative
- Students like to be able to take their work with them wherever they go
- Students feel it has made a big difference in their learning – it is a lot more fun
- Classes move at a faster pace, less waiting time, more personal
- Sometimes difficult to pay attention with laptops open because of distractions

Parent Data

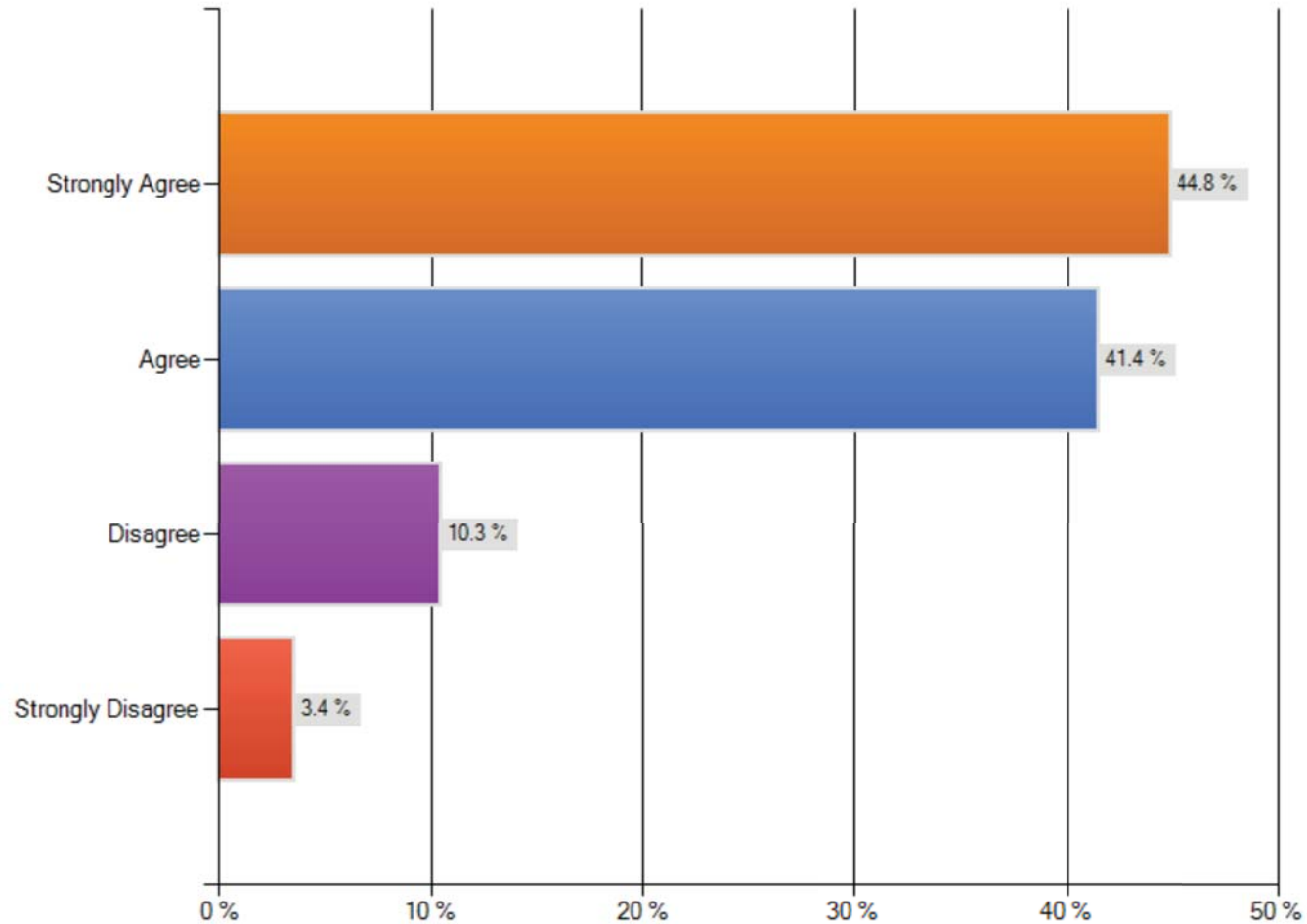
Learning Environment

How satisfied are you with the use and integration of laptops to support learning?



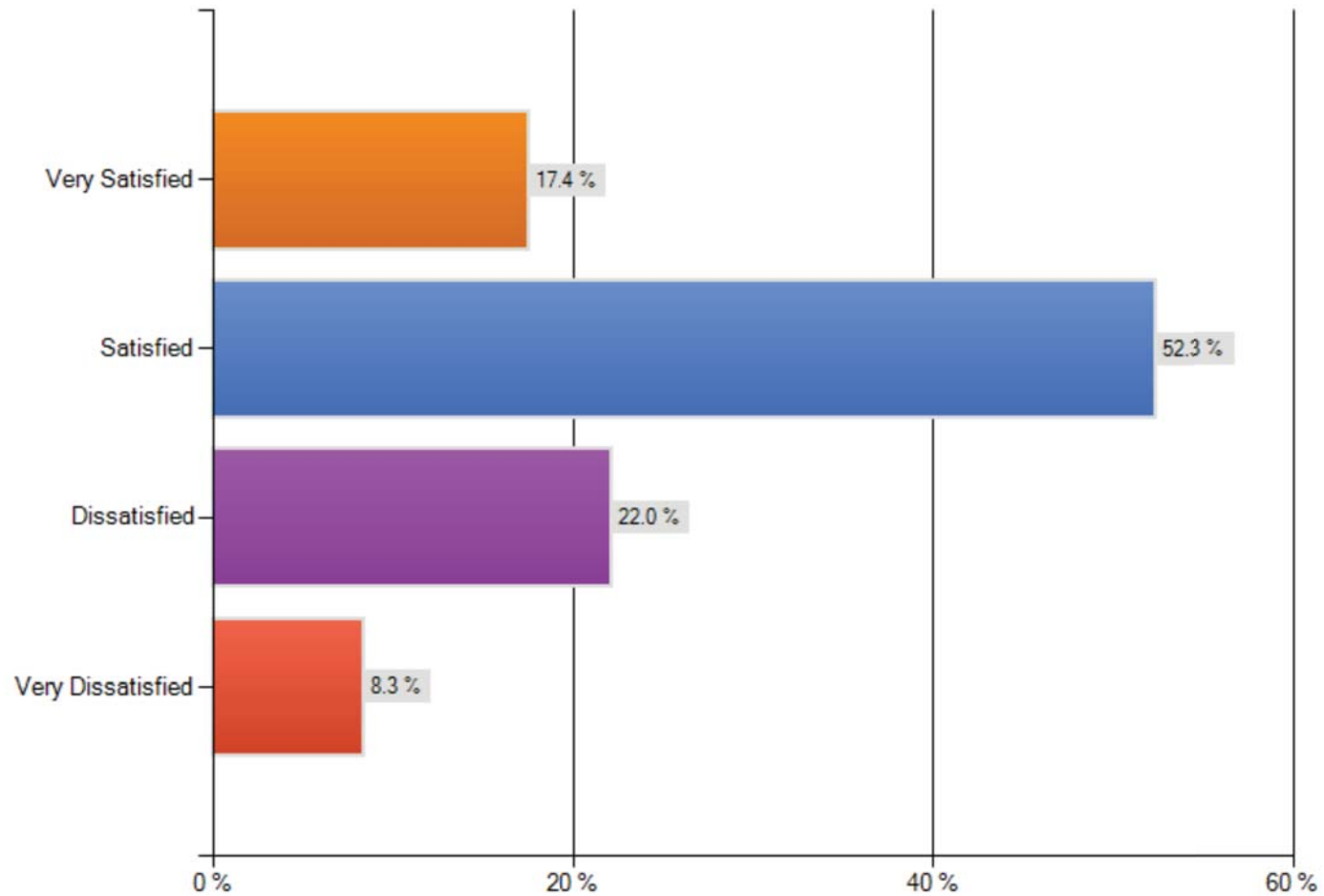
Learning Environment

My student is using his/her laptop responsibly.



Community Support

How satisfied are you with the school's response to initial concerns about the 1-1 program and its implementation?



Parent Focus Group

- * Laptop is helping students with organization
- * Teacher integration in year 1 is higher than expected
- * Some concerns about after school access when traveling
- * Collaboration at home while doing homework via Skype
- * Math department is utilizing tools that target individual needs.
- * Communication has been good, parents have shared Google calendar with kids
- * Distractions - integration of Facebook into study habits? Texting has become chatting

Plans for the future

FY14 - Class of 2017 (incoming freshmen)

- Add Wireless to all sophomore classrooms
- Procure 25 spares
- Add technician
- Continue with PD
- Watch Internet Use

• FY15 - Add Class of 2018 and open to 2015 (Seniors)

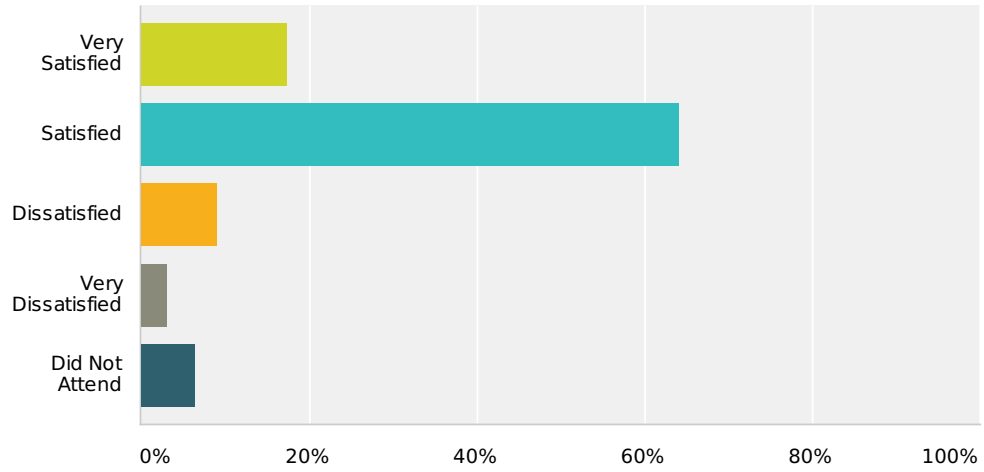
- Add Wireless throughout the building (look at AC)
- Procure 25 Spares
- Continue with PD

Next Steps

- Request approval to move forward with Class of 2017
- Communicate to parents
- Establish timeline for sign up process

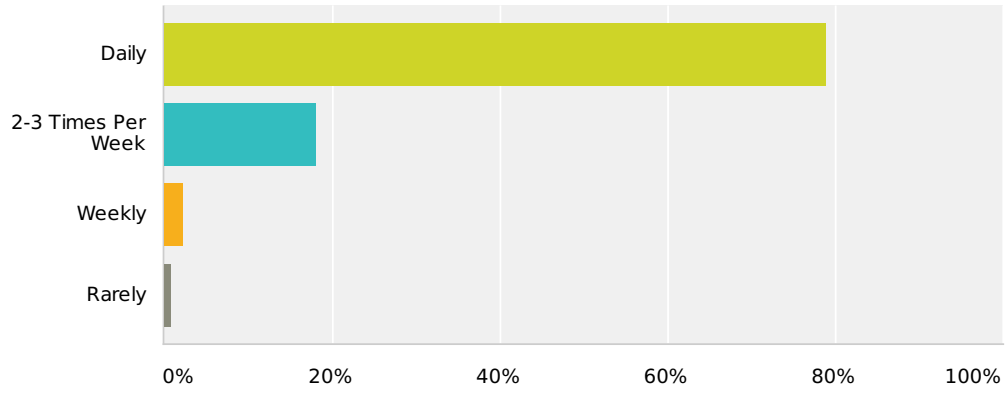
Q1 How satisfied were you with the 9th grade 1-1 orientation in August?

Answered: 265 Skipped: 1



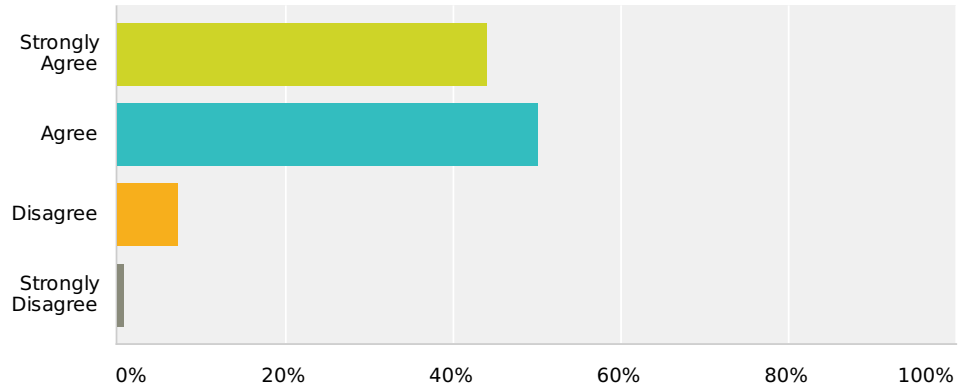
Q2 How frequently are you using your laptop in your core classes?

Answered: 266 Skipped: 0



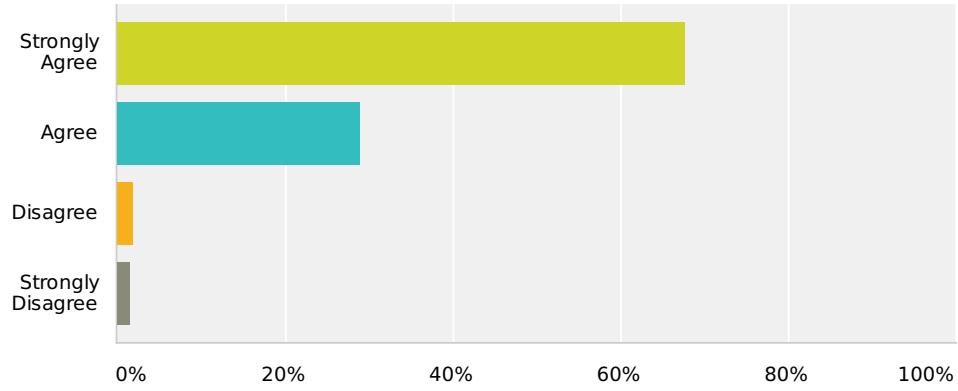
Q3 Daily access to a laptop provides me with opportunities to learn in new and different ways?

Answered: 265 Skipped: 1



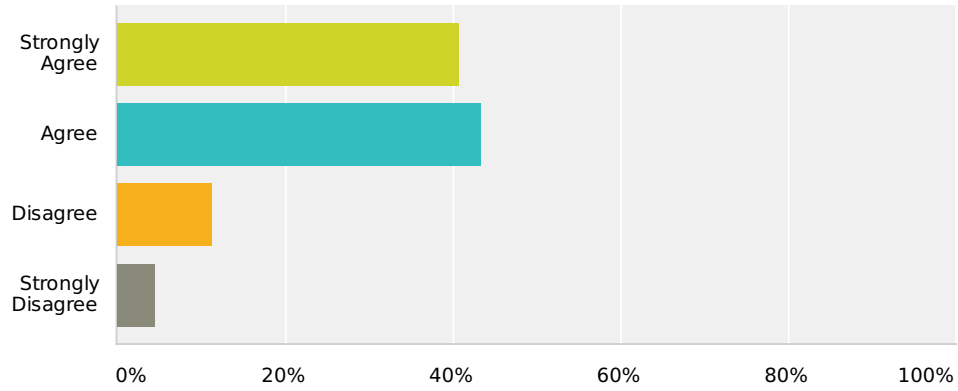
Q4 The 1-1 program makes it easier for me to access learning resources like Moodle, online textbooks, Google Docs, Gmail, online resources, and teacher resources.

Answered: 266 Skipped: 0



Q6 The 1-1 program has enabled me to improve my organization skills and productivity.

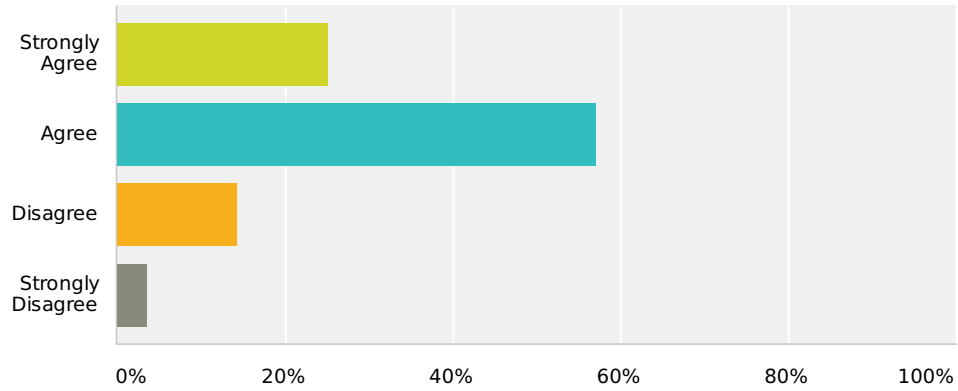
Answered: 265 Skipped: 1



Answer Choices	Responses
Strongly Agree	40.75% 108
Agree	43.40% 115
Disagree	11.32% 30
Strongly Disagree	4.53% 12
Please provide an example to support your response: (198)	
Total	265

Q7 The 1-1 environment improves student/teacher communication.

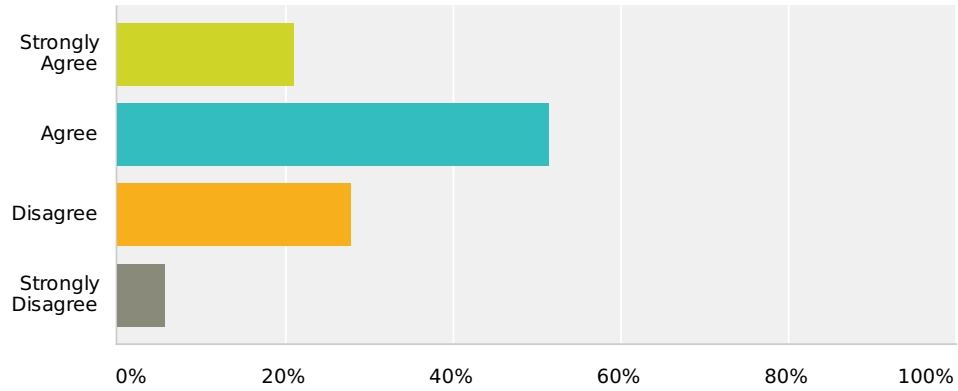
Answered: 259 Skipped: 7



Answer Choices	Responses
Strongly Agree	25.10% 65
Agree	57.14% 148
Disagree	14.29% 37
Strongly Disagree	3.47% 9
Please provide an example to support your response: (188)	
Total	259

Q8 The 1-1 program has made me more aware of Internet safety.

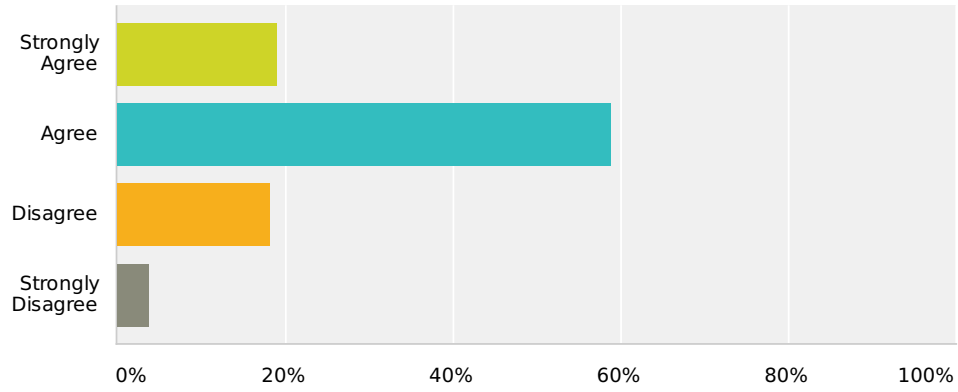
Answered: 266 Skipped: 0



Answer Choices	Responses	
Strongly Agree	21.05%	56
Agree	51.50%	137
Disagree	27.82%	74
Strongly Disagree	5.64%	15
Total Respondents: 266		

Q9 The policies and procedures of the 1-1 program have helped me to use the Internet more thoughtfully and ethically?

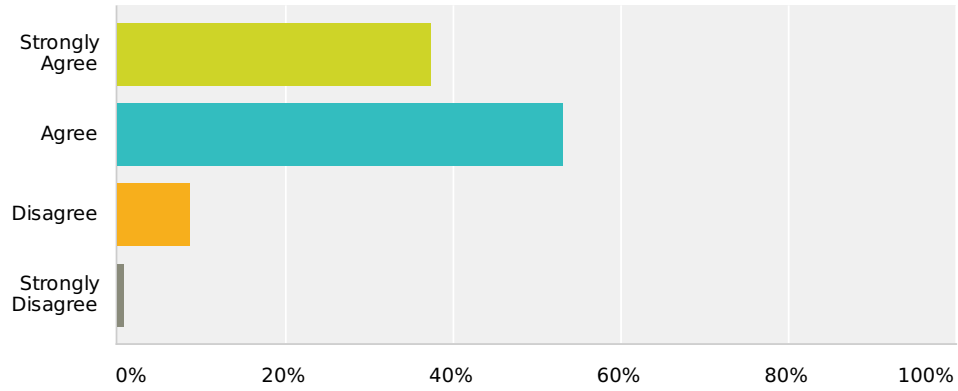
Answered: 263 Skipped: 3



Answer Choices	Responses	
Strongly Agree	19.01%	50
Agree	58.94%	155
Disagree	18.25%	48
Strongly Disagree	3.80%	10
Total		263

Q10 The 1-1 program has given me new ways to contribute and participate in my classes.

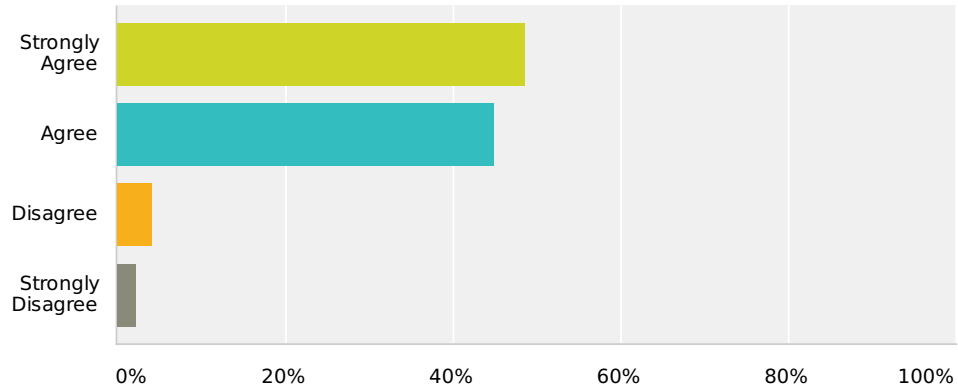
Answered: 265 Skipped: 1



Answer Choices	Responses
Strongly Agree	37.36% 99
Agree	53.21% 141
Disagree	8.68% 23
Strongly Disagree	0.75% 2
Total	265

Q11 The 1-1 program makes learning more enjoyable.

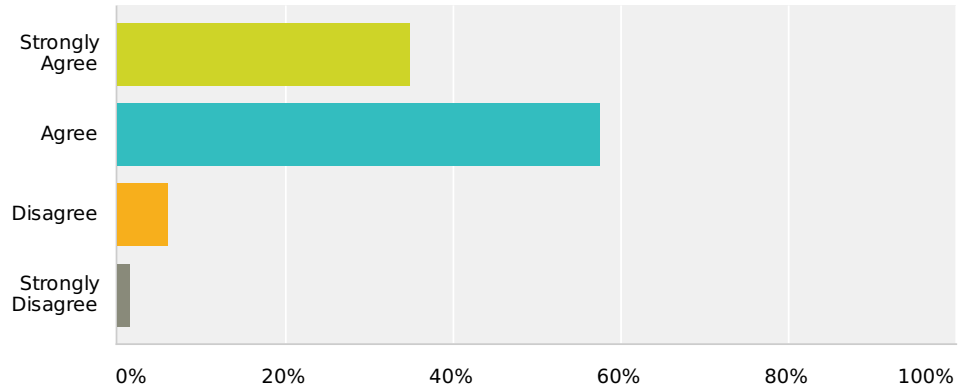
Answered: 265 Skipped: 1



Answer Choices	Responses
Strongly Agree	48.68% 129
Agree	44.91% 119
Disagree	4.15% 11
Strongly Disagree	2.26% 6
Please provide an example to support your response: (218)	
Total	265

Q12 The 1-1 program provides more choice in how I learn.

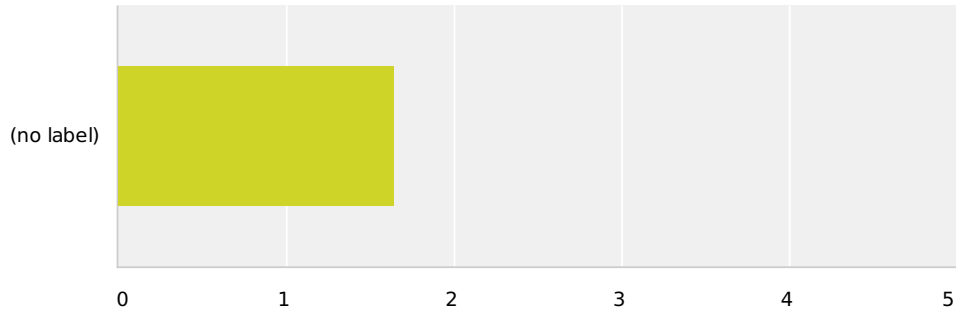
Answered: 264 Skipped: 2



Answer Choices	Responses
Strongly Agree	34.85% 92
Agree	57.58% 152
Disagree	6.06% 16
Strongly Disagree	1.52% 4
Please provide an example to support your response: (197)	
Total	264

Q13 How satisfied are you with the technical support you are receiving at the High School?

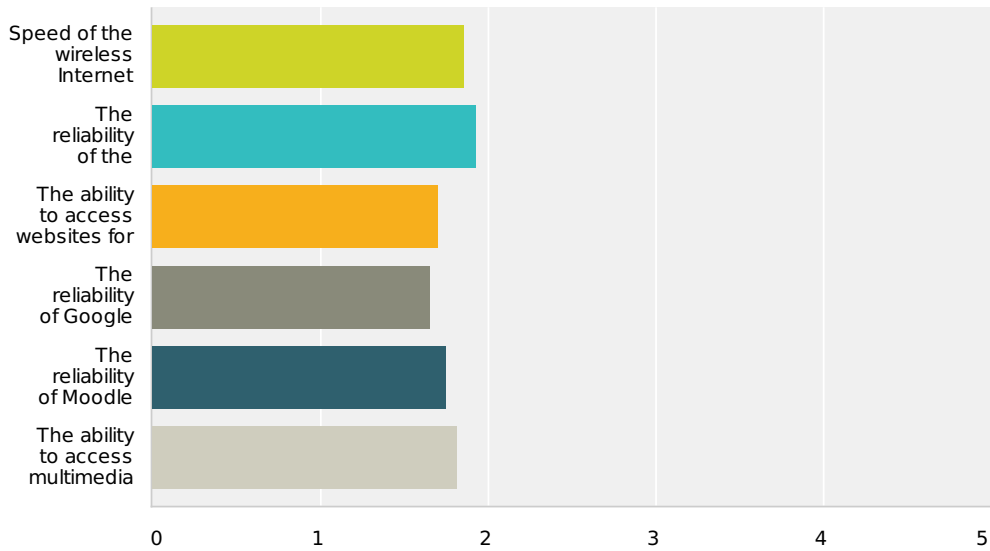
Answered: 263 Skipped: 3



	Very Satisfied	Satisfied	Dissatisfied	Very Dissatisfied	N/A	Total	Average Rating
(no label)	38.02% 100	47.91% 126	2.66% 7	1.52% 4	9.89% 26	263	1.64

Q14 How satisfied are you with each of the following components of the high school's technology infrastructure?

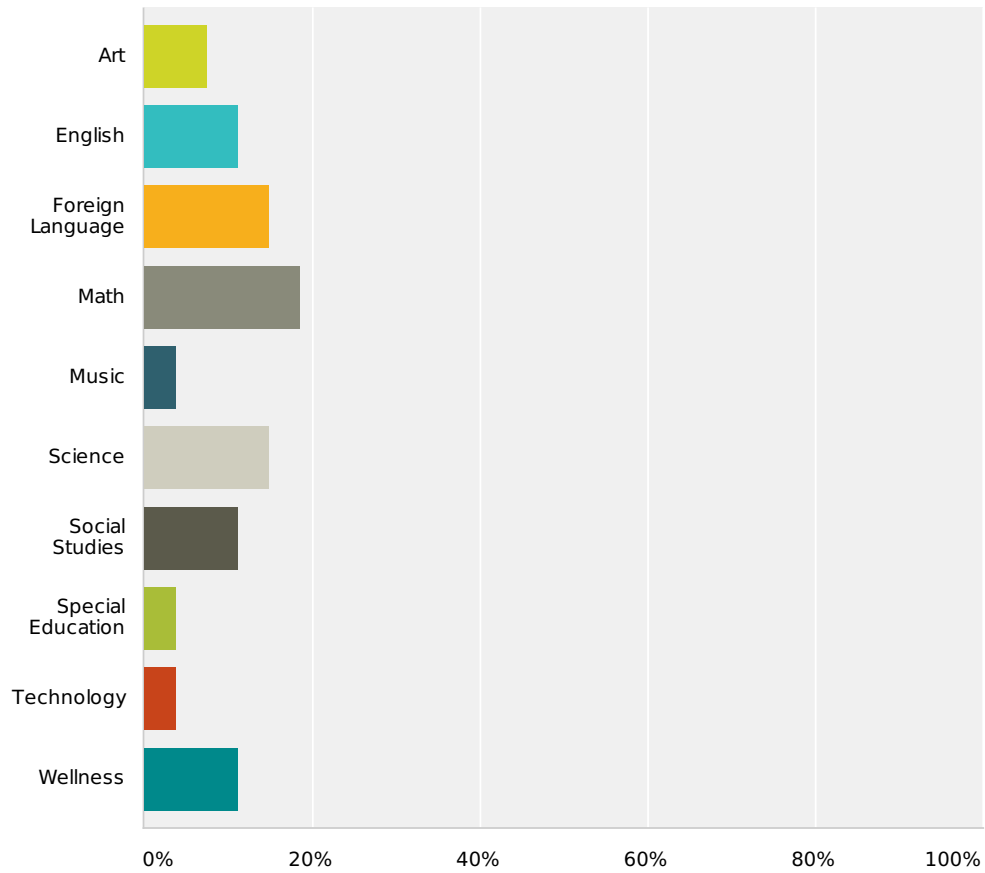
Answered: 266 Skipped: 0



	Very Satisfied	Satisfied	Dissatisfied	Very Dissatisfied	N/A	Total	Average Rating
Speed of the wireless Internet	28.20% 75	59.02% 157	11.65% 31	1.13% 3	0% 0	266	1.86
The reliability of the wireless Internet	23.77% 63	60.38% 160	14.34% 38	1.13% 3	0.38% 1	265	1.93
The ability to access websites for classroom use	37.59% 100	54.89% 146	6.39% 17	0.75% 2	0.38% 1	266	1.70
The reliability of Google Apps	39.47% 105	50% 133	4.51% 12	1.13% 3	4.89% 13	266	1.66
The reliability of Moodle	35.34% 94	54.14% 144	8.27% 22	1.13% 3	1.13% 3	266	1.75
The ability to access multimedia websites	31.82% 84	51.52% 136	11.74% 31	1.14% 3	3.79% 10	264	1.81

Q1 What is your primary teaching area?

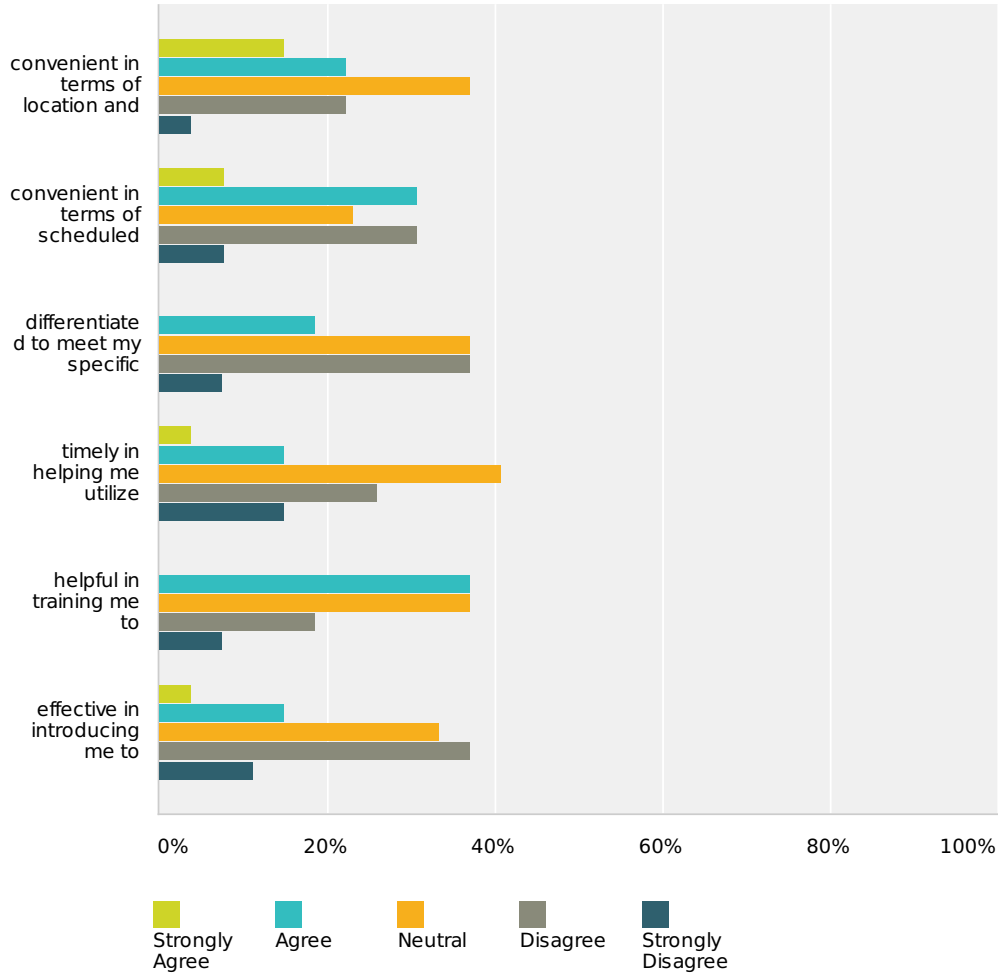
Answered: 27 Skipped: 0



Answer Choices	Responses
Art	7.41% 2
English	11.11% 3
Foreign Language	14.81% 4
Math	18.52% 5
Music	3.70% 1
Science	14.81% 4
Social Studies	11.11% 3
Special Education	3.70% 1
Technology	3.70% 1
Wellness	11.11% 3
Total	27

Q2 Please rank the following aspects of the professional development provided by the district. Professional development has been . . .

Answered: 27 Skipped: 0



	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
convenient in terms of location and access to technology	14.81% 4	22.22% 6	37.04% 10	22.22% 6	3.70% 1	27
convenient in terms of scheduled times and methods of delivery	7.69% 2	30.77% 8	23.08% 6	30.77% 8	7.69% 2	26
differentiated to meet my specific needs	0% 0	18.52% 5	37.04% 10	37.04% 10	7.41% 2	27
timely in helping me utilize technology in	3.70% 1	14.81% 4	40.74% 11	25.93% 7	14.81% 4	27

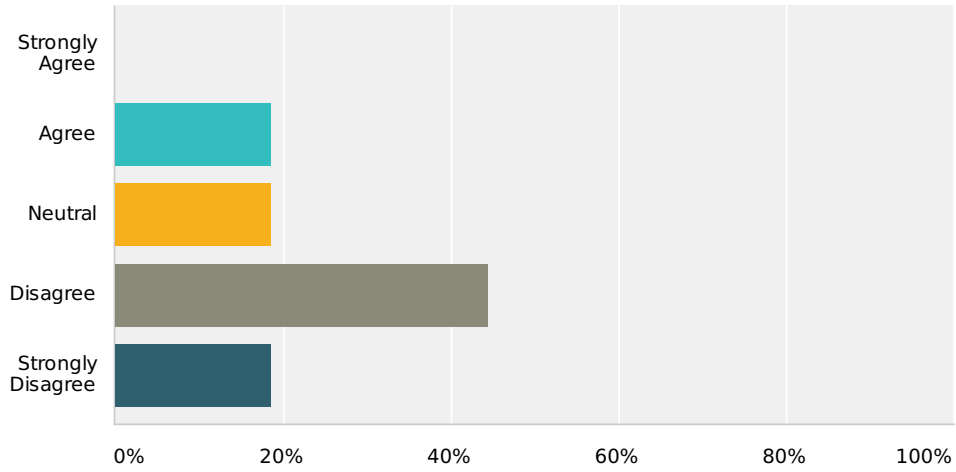
1-1 Teacher Survey Fall 2012

teaching and learning						
helpful in training me to effectively utilize technology tools	0% 0	37.04% 10	37.04% 10	18.52% 5	7.41% 2	27
effective in introducing me to strategies for teaching in a 1-1 learning environment	3.70% 1	14.81% 4	33.33% 9	37.04% 10	11.11% 3	27

Additional Comments: (10)

Q3 Overall, district PD has helped me develop the initial skills I need for teaching in a 1-1 environment.

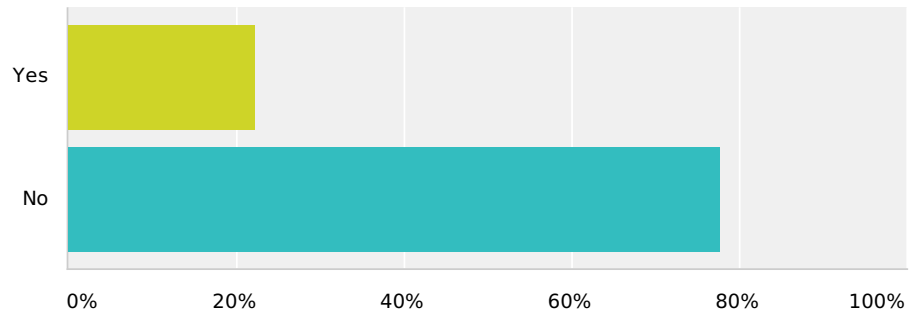
Answered: 27 Skipped: 0



Answer Choices	Responses
Strongly Agree	0% 0
Agree	18.52% 5
Neutral	18.52% 5
Disagree	44.44% 12
Strongly Disagree	18.52% 5
Please explain your response and/or share feedback below: (12)	
Total	27

Q4 Have your PLC meetings allowed you to develop teaching strategies that enhance student learning in a 1-1 environment?

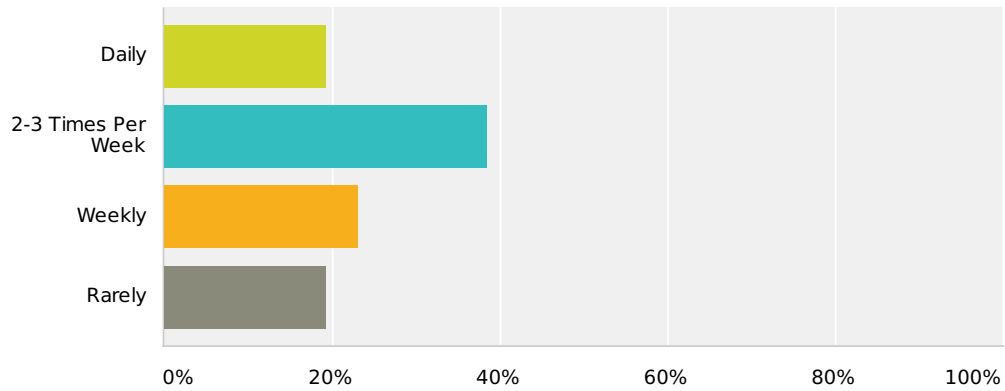
Answered: 27 Skipped: 0



Answer Choices	Responses
Yes	22.22% 6
No	77.78% 21
Please explain your response and/or share feedback below: (17)	
Total	27

Q5 How frequently are students using their laptops for in-class work in your 9th grade course(s)?

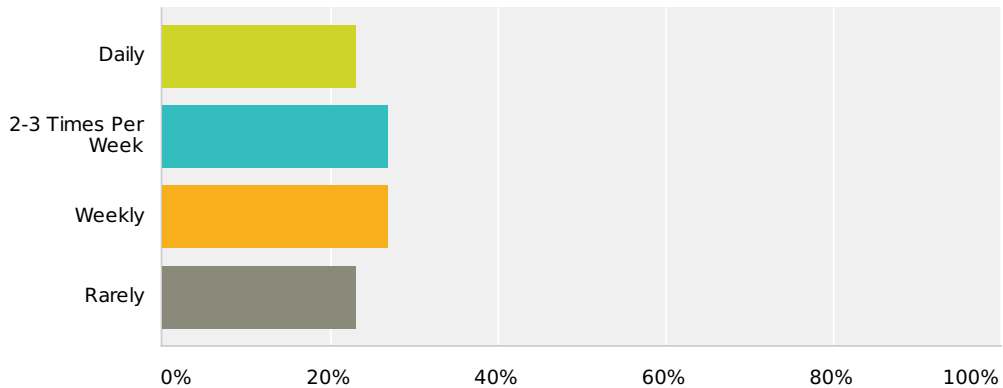
Answered: 26 Skipped: 1



Answer Choices	Responses
Daily	19.23% 5
2-3 Times Per Week	38.46% 10
Weekly	23.08% 6
Rarely	19.23% 5
Other (please specify) (6)	
Total	26

Q6 How frequently are students using their laptops to complete homework for your 9th grade course(s)?

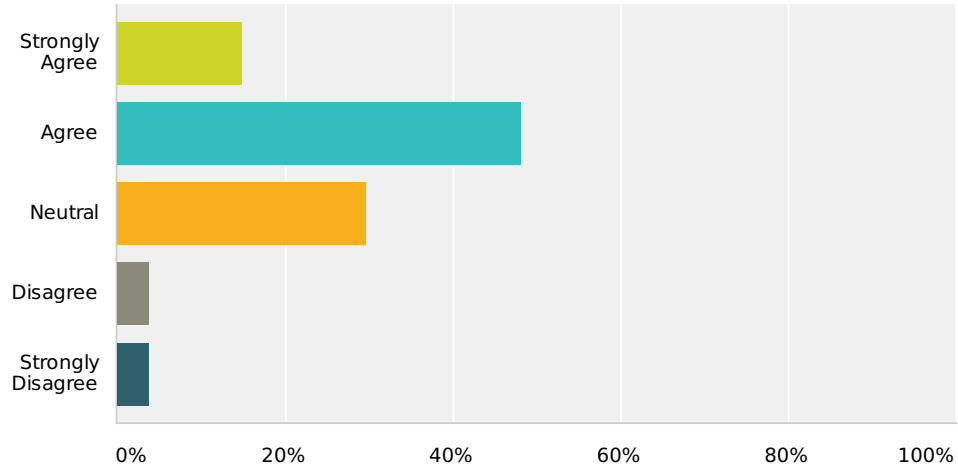
Answered: 26 Skipped: 1



Answer Choices	Responses	
Daily	23.08%	6
2-3 Times Per Week	26.92%	7
Weekly	26.92%	7
Rarely	23.08%	6
Other (please specify) (5)		
Total		26

Q8 Daily access to a laptop increases opportunities for students to explore and engage actively in new and different ways in my classroom.

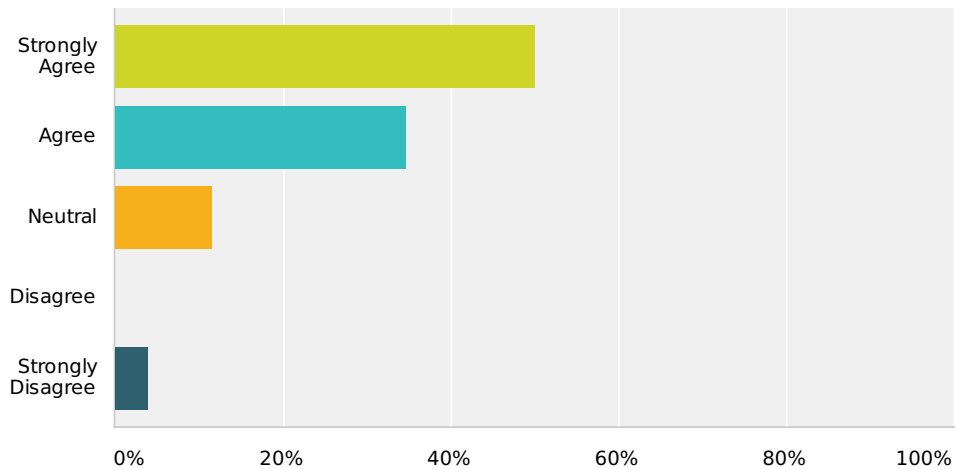
Answered: 27 Skipped: 0



Answer Choices	Responses	
Strongly Agree	14.81%	4
Agree	48.15%	13
Neutral	29.63%	8
Disagree	3.70%	1
Strongly Disagree	3.70%	1
Please explain your response and/or share examples below: (14)		
Total		27

Q9 The 1-1 program makes it easier for me to provide students access to learning resources like Moodle, online textbooks, Google Docs, Gmail, online resources, and teacher materials.

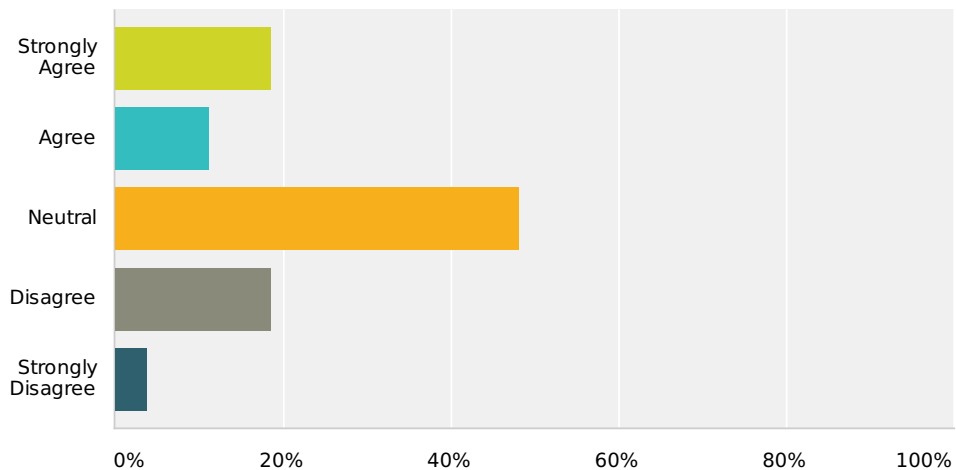
Answered: 26 Skipped: 1



Answer Choices	Responses
Strongly Agree	50% 13
Agree	34.62% 9
Neutral	11.54% 3
Disagree	0% 0
Strongly Disagree	3.85% 1
Total	26

Q10 The 1-1 program has enabled me to improve my organization skills and productivity.

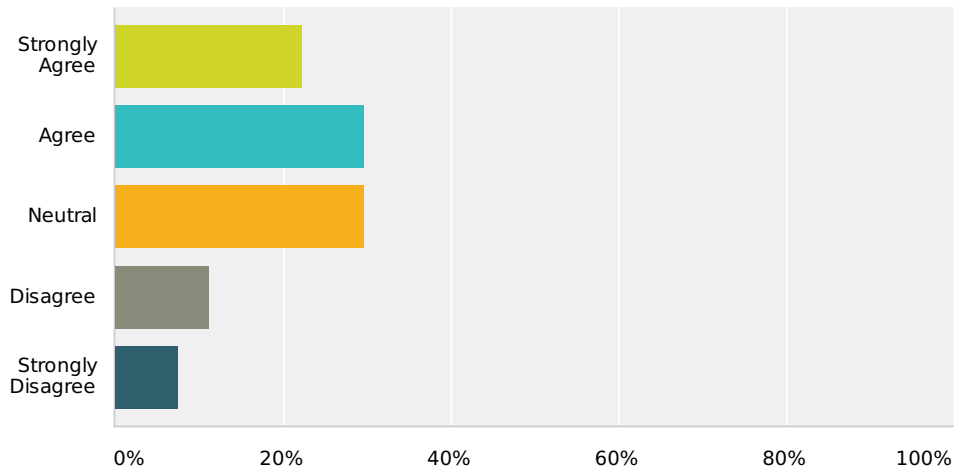
Answered: 27 Skipped: 0



Answer Choices	Responses
Strongly Agree	18.52% 5
Agree	11.11% 3
Neutral	48.15% 13
Disagree	18.52% 5
Strongly Disagree	3.70% 1
Please explain your response and/or share examples below: (13)	
Total	27

Q11 The 1-1 environment improves student/teacher communication.

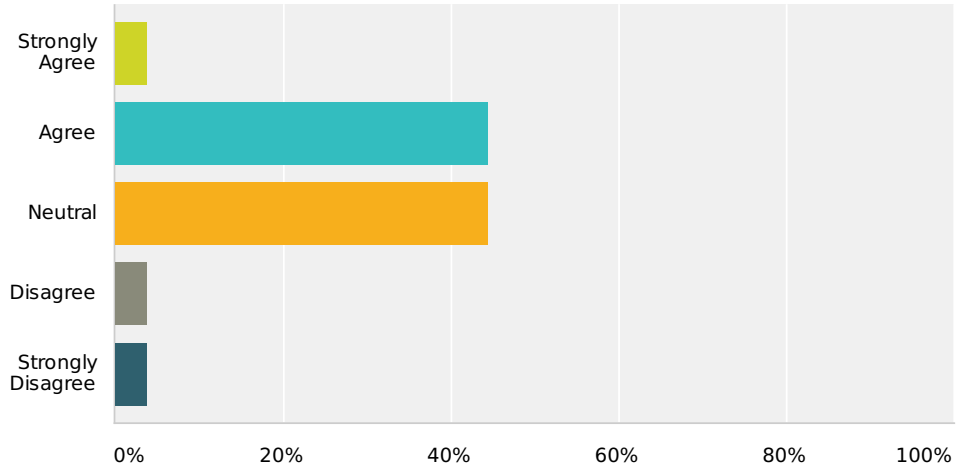
Answered: 27 Skipped: 0



Answer Choices	Responses	
Strongly Agree	22.22%	6
Agree	29.63%	8
Neutral	29.63%	8
Disagree	11.11%	3
Strongly Disagree	7.41%	2
Please explain your response and/or share examples below: (9)		
Total		27

Q12 The policies and procedures of the 1-1 program have made me aware of the safe, secure, and ethical use of technology as it relates to my classroom.

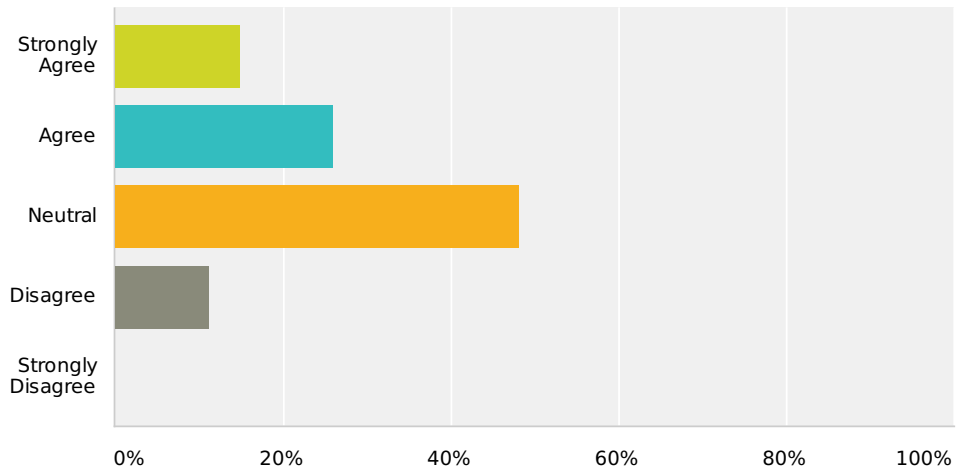
Answered: 27 Skipped: 0



Answer Choices	Responses	
Strongly Agree	3.70%	1
Agree	44.44%	12
Neutral	44.44%	12
Disagree	3.70%	1
Strongly Disagree	3.70%	1
Total		27

Q13 The 1-1 program has helped me to meet the individual learning needs of students.

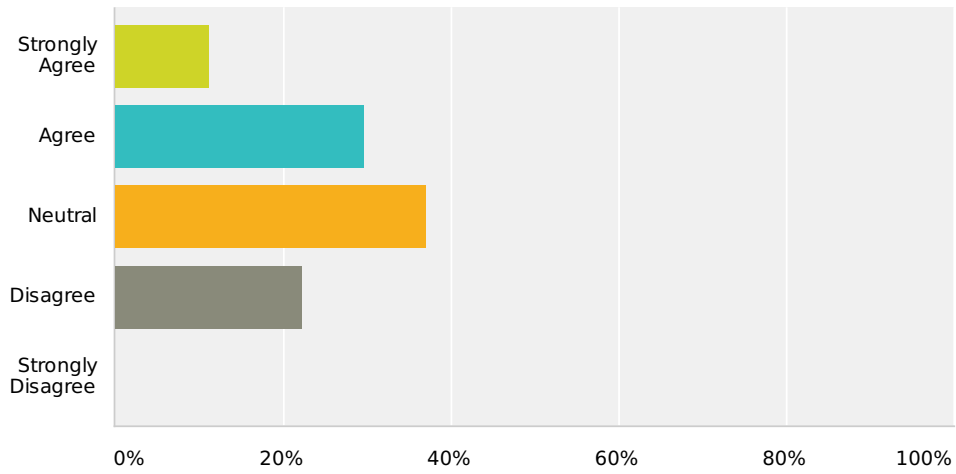
Answered: 27 Skipped: 0



Answer Choices	Responses
Strongly Agree	14.81% 4
Agree	25.93% 7
Neutral	48.15% 13
Disagree	11.11% 3
Strongly Disagree	0% 0
Please explain your response and/or share examples below: (13)	
Total	27

Q15 The 1-1 program has helped to engage students and motivate them to contribute and participate in class.

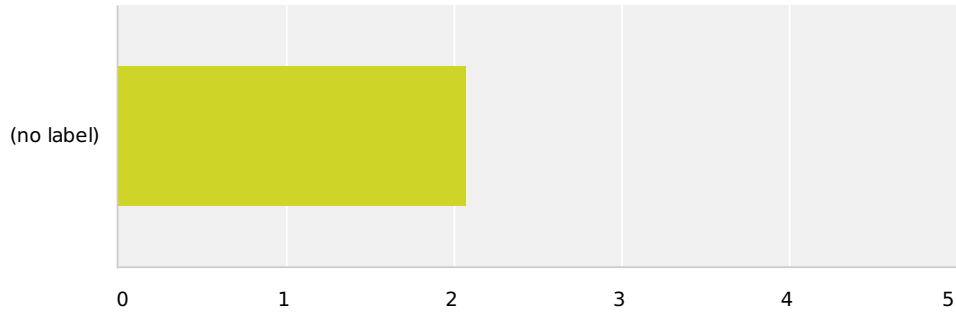
Answered: 27 Skipped: 0



Answer Choices	Responses	
Strongly Agree	11.11%	3
Agree	29.63%	8
Neutral	37.04%	10
Disagree	22.22%	6
Strongly Disagree	0%	0
Please provide an example to support your response: (6)		
Total		27

Q17 How satisfied are you with the technical support you are receiving at the High School?

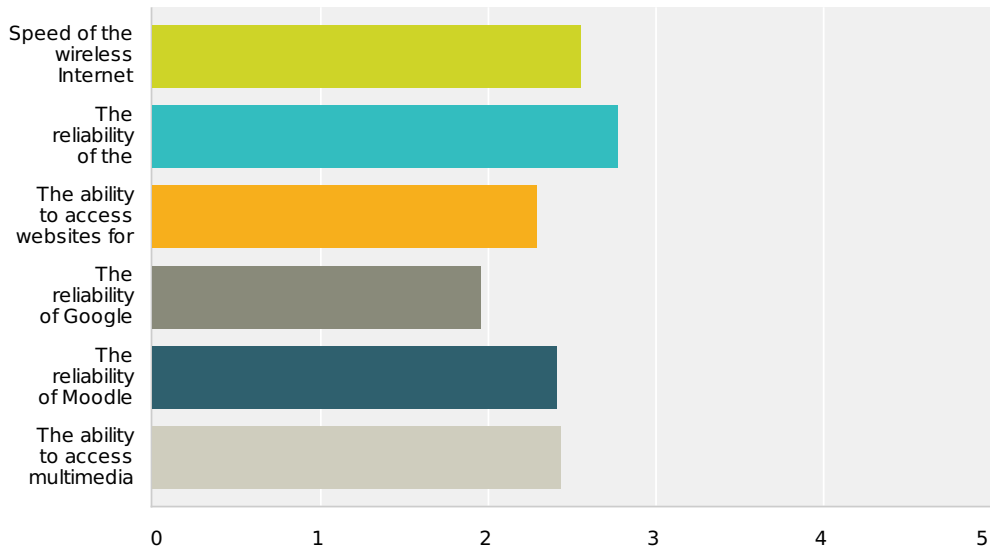
Answered: 27 Skipped: 0



	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied	N/A	Total	Average Rating
(no label)	25.93% 7	48.15% 13	18.52% 5	7.41% 2	0% 0	0% 0	27	2.07

Q18 How satisfied are you with each of the following components of the high school's technology infrastructure?

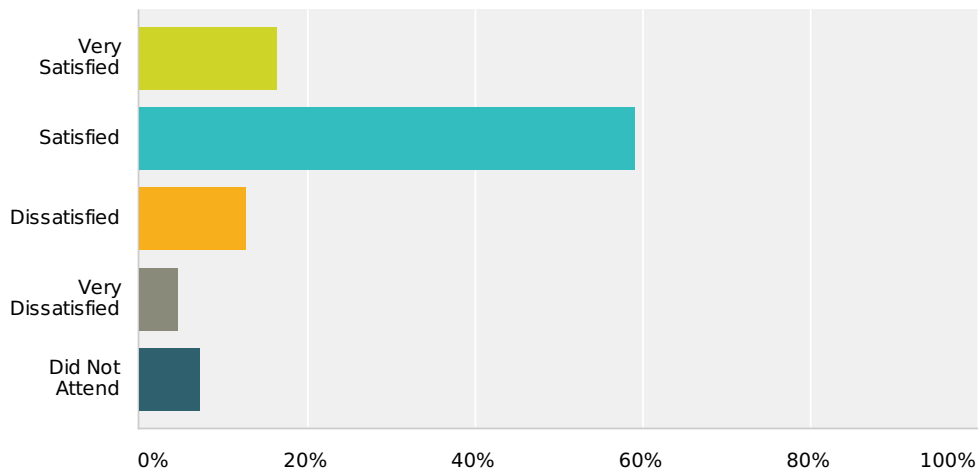
Answered: 27 Skipped: 0



	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied	N/A	Total	Average Rating
Speed of the wireless Internet	11.11% 3	40.74% 11	29.63% 8	18.52% 5	0% 0	0% 0	27	2.56
The reliability of the wireless Internet	7.41% 2	40.74% 11	22.22% 6	25.93% 7	3.70% 1	0% 0	27	2.78
The ability to access websites for classroom use	11.11% 3	59.26% 16	18.52% 5	11.11% 3	0% 0	0% 0	27	2.30
The reliability of Google Apps	25.93% 7	44.44% 12	14.81% 4	3.70% 1	0% 0	11.11% 3	27	1.96
The reliability of Moodle	3.70% 1	37.04% 10	14.81% 4	7.41% 2	0% 0	37.04% 10	27	2.41
The ability to access multimedia websites	11.11% 3	44.44% 12	25.93% 7	7.41% 2	3.70% 1	7.41% 2	27	2.44

Q1 How satisfied were you with the 9th grade 1-1 orientation in August?

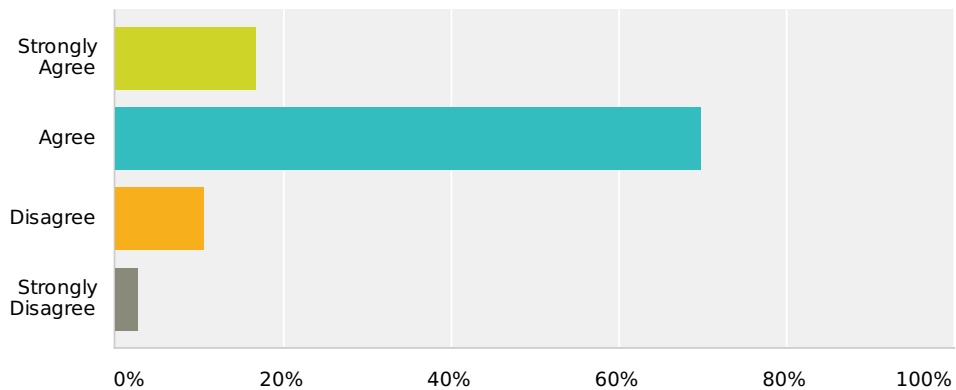
Answered: 110 Skipped: 6



Answer Choices	Responses
Very Satisfied	16.36% 18
Satisfied	59.09% 65
Dissatisfied	12.73% 14
Very Dissatisfied	4.55% 5
Did Not Attend	7.27% 8
Please share any suggestions you have on how the HS can improve the summer 9th grade 1-1 orientation: (37)	
Total	110

Q2 The 1-1 program's policies, procedures, and training have provided useful resources for ethical use of the Internet.

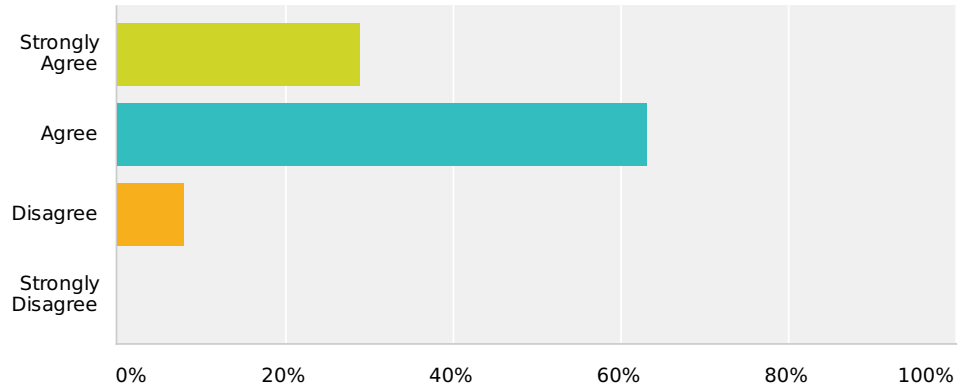
Answered: 113 Skipped: 3



Answer Choices	Responses	
Strongly Agree	16.81%	19
Agree	69.91%	79
Disagree	10.62%	12
Strongly Disagree	2.65%	3
Total		113

Q3 I understand the policies and procedures for safe, secure, and ethical use of technology as it relates to my student.

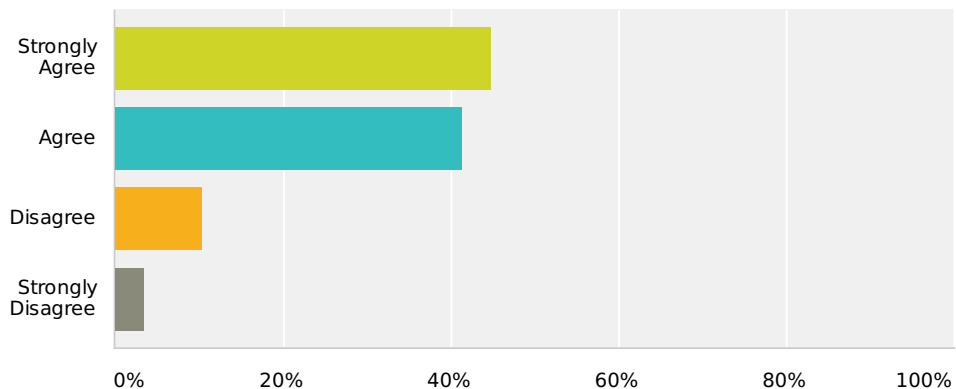
Answered: 114 Skipped: 2



Answer Choices	Responses	
Strongly Agree	28.95%	33
Agree	63.16%	72
Disagree	7.89%	9
Strongly Disagree	0%	0
Total		114

Q4 My student is using his/her laptop responsibly.

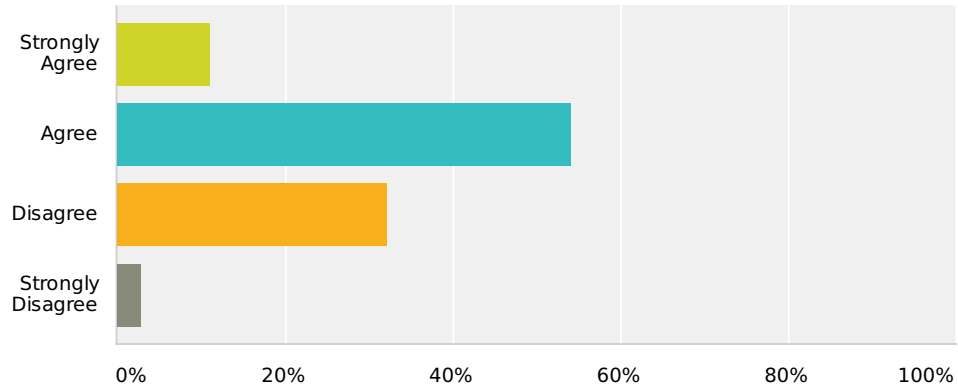
Answered: 116 Skipped: 0



Answer Choices	Responses	
Strongly Agree	44.83%	52
Agree	41.38%	48
Disagree	10.34%	12
Strongly Disagree	3.45%	4
Total		116

Q5 The school has provided resources to parents to support effective use of technology.

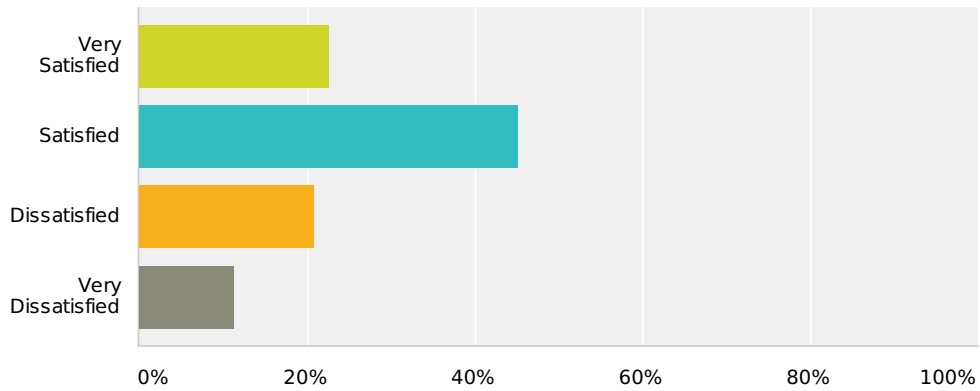
Answered: 109 Skipped: 7



Answer Choices	Responses
Strongly Agree	11.01% 12
Agree	54.13% 59
Disagree	32.11% 35
Strongly Disagree	2.75% 3
Total	109

Q6 How satisfied are you with the use and integration of laptops to support learning?

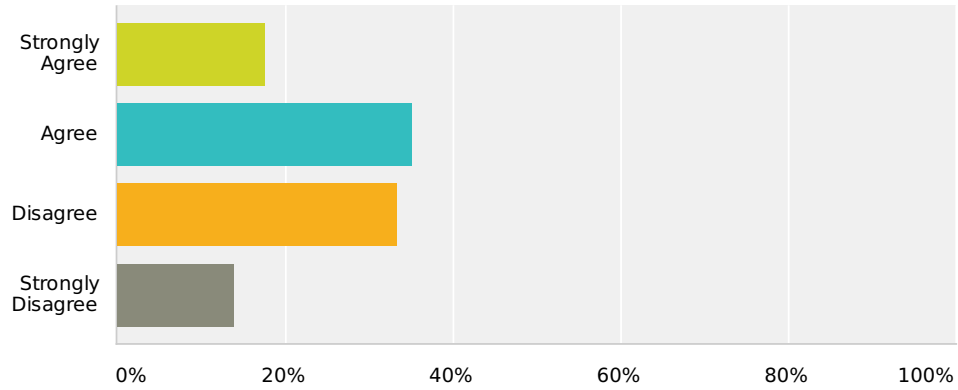
Answered: 115 Skipped: 1



Answer Choices	Responses
Very Satisfied	22.61% 26
Satisfied	45.22% 52
Dissatisfied	20.87% 24
Very Dissatisfied	11.30% 13
Please share any suggestions regarding the use and integration of laptops to support learning: (43)	
Total	115

Q7 The 1-1 program has helped my student to become more motivated to engage, contribute, and participate.

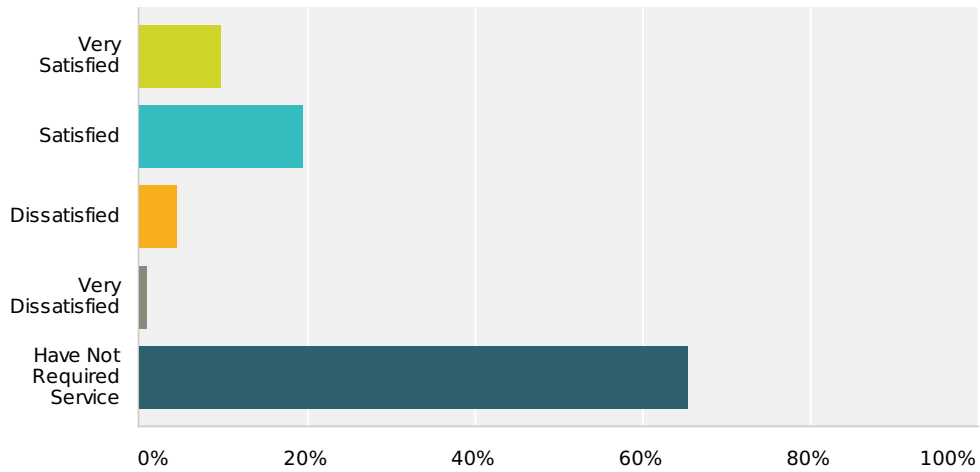
Answered: 108 Skipped: 8



Answer Choices	Responses	
Strongly Agree	17.59%	19
Agree	35.19%	38
Disagree	33.33%	36
Strongly Disagree	13.89%	15
Additional Comments: (45)		
Total		108

Q8 How satisfied are you with the technology service through the helpdesk?

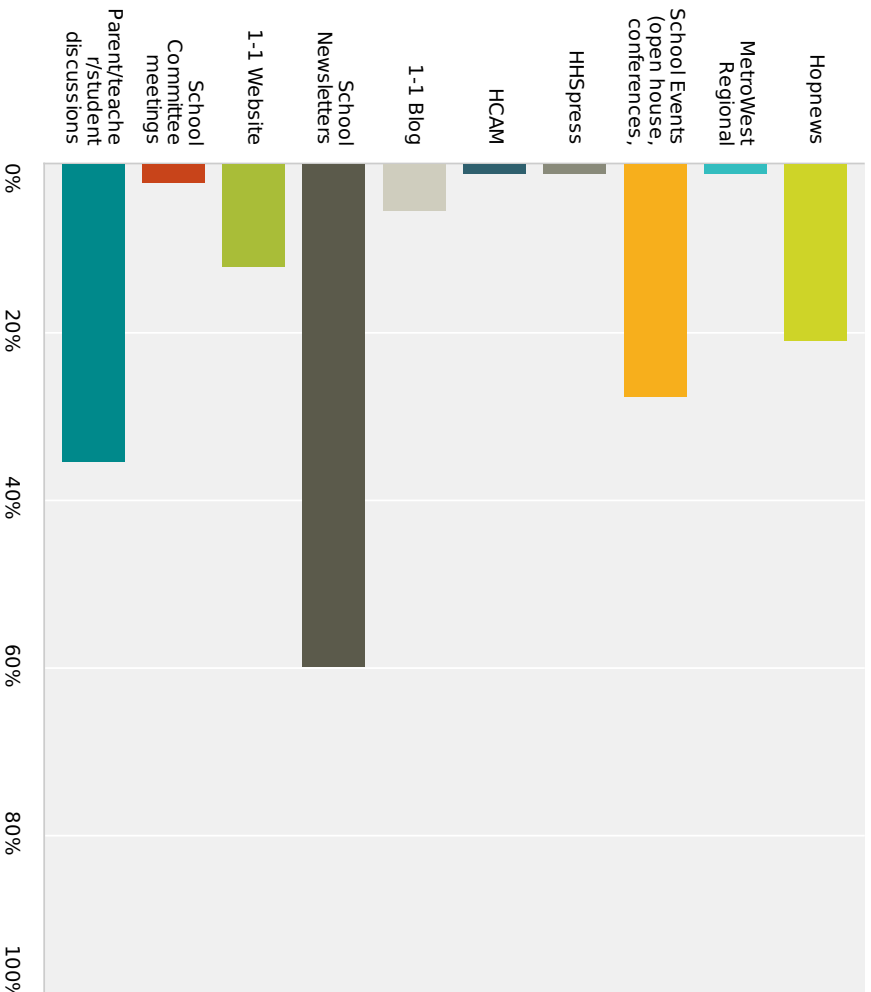
Answered: 113 Skipped: 3



Answer Choices	Responses
Very Satisfied	9.73% 11
Satisfied	19.47% 22
Dissatisfied	4.42% 5
Very Dissatisfied	0.88% 1
Have Not Required Service	65.49% 74
Please share any suggestions for improving our technology service: (8)	
Total	113

Q9 How have you learned about the progress of the 1-1 program throughout the school year? (Please check all that apply)

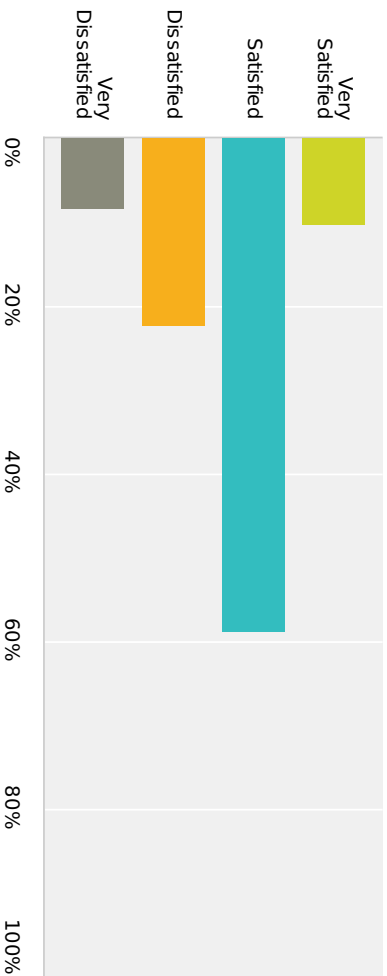
Answered: 90 Skipped: 26



Answer Choices	Responses
Hopnews	21.11% 19
MetroWest Regional	1.11% 1
School Events (open house, conferences, etc)	27.78% 25
HHSpress	1.11% 1
HCAM	1.11% 1
1-1 Blog	5.56% 5
School Newsletters	60% 54
1-1 Website	12.22% 11
School Committee meetings	2.22% 2
Parent/teacher/student discussions	35.56% 32
Please share any suggestions for improving our communication: (24)	
Total Respondents: 90	

Q10 How satisfied are you with the communication about the 1-1 program to the community?

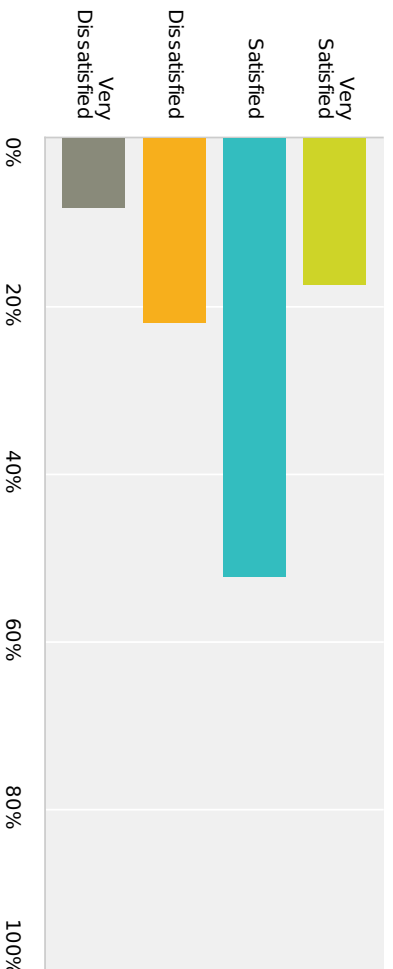
Answered: 107 Skipped: 9



Answer Choices	Responses
Very Satisfied	10.28%
Satisfied	58.88%
Dissatisfied	22.43%
Very Dissatisfied	8.41%
Please share any suggestions for improving our communication. (19)	
Total	107

Q11 How satisfied are you with the school's response to initial concerns about the 1-1 program and its implementation?

Answered: 109 Skipped: 7



Answer Choices	Responses
Very Satisfied	17.43%
Satisfied	52.29%
Dissatisfied	22.02%
Very Dissatisfied	8.26%
Additional Comments: (14)	
Total	109