TECHNOLOGY PLAN

2016-2019

Abstract

Union County Vocational-Technical Schools vision for digital learning over the next three years

John Downey

www.ucvts.org

Contents

District Overview

Mission Statement

Union County Vocational-Technical Schools mission is to address the needs of the residents of our county by providing technological opportunities to acquire the marketable skills necessary to enter into and compete in our challenging labor market. This mission is committed to ensuring high standards and challenging opportunities through the integration of academic and technical training and by:

- providing access to technology for all learners
- providing a strong emphasis on teacher professional development and pre-service education.
- creating an integration of technology into systematic school reforms

Our mission statement stresses the implementation of technology as a tool for learning; technology is an instrument to be used to expedite and enhance the learning process. We have designed our plan to break down the barriers of time, distance and form.

Stakeholders

Peter Capodice, Superintendent

Gwen Ryan, Assistant Superintendent

John Downey, Director of Technology

Damien Dimino, Technology Coordinator

Walt Smolenski, Principal AAHS

Lisa Tauscher, Principal UCCTI

Sue Anne Marcello, Supervisor APA

Adam Moskowitz, Instructor/Professional Development Chairperson

Tricia Drevelus, Instructor MHS

Jacqueline Gerstein, Instructor MHS

Janet Kneisel, Instructor AIT

Leslie Kepner, Instructor UCTECH

Andrew Gershenfeld, STA Intern

Gibson Val, STA Intern

Anthony Carvalho, Parent

NJTrax

The district fully participates in the New Jersey State's data collection programs including NJSmart and NJTRAx technology readiness system.

In analyzing the report, the district is technology ready in regards to all hardware deployment. All hardware is updated on a regular basis to ensure it can adequately meet the educational needs of all students and staff. Equipment is refreshed on a period cycle to ensure acceptable performance and capabilities to meet the educational goals of the program.

We are also three years into our 1:1 rollout with all freshmen, sophomores and juniors having their own devices. The primary 1:1 device is the Dell Chrombook 11, with the only exception being our School of Design program, through which students are provided a Dell Precision laptop.

On the report we scored a 6 out of 9 (moderate) in meeting PARCC recommendations. Based on the system report, our bandwidth is moderate for the technology rollout we have. In further analysis though, it was not recommended to invest additional local resources into bandwidth as our current usage reports are not near 50% utilization.

The district is meticulous about ensuring the data in our student information system. Doing so ensures we have accurate accounting for all student information. Report Summaries can be found in Appendices C & D.

Technology Overview

Technology Equipment

Our technology inventory can be broken down into three primary groups, end-user devices, infrastructure and software. End-user devices include, but are not limited to, Dell PC computers, Apple computers, Dell laptops, Dell Chromebooks, printers, copiers and projectors. As we have been primarily a PC house for over 20 years the district provides Apple IMac computers for our Graphic Design program.

During our last technology plan we began a 1:1 initiative with our School of Design program. Each student is provided a Dell Inspiron laptop installed with AutoCAD and Adobe CS6 software. We have expanded our 1:1 program by providing a Dell Chromebook 11 to all full-time students. We currently have supplied all freshmen, sophomore and junior students with devices. All class levels will have their own device during the 2017-2018 school year.

All faculty are provided with their own laptops. The Dell latitude laptops are refreshed on a four year cycle. All new employees to the district are trained on the use of the laptops and all related software through our mandatory New Faculty Training program, run over two weeks in the summer.

Infrastructure

The district utilizes a gigabit network with a 10GB backbone and 10GB runs to all closets within our buildings. This network currently supports approximately 2000 networked devices. Our infrastructure utilizes Extreme Network switches.

Our current wireless network which utilizes Extreme Network switches as well and added CloudPath XpressConnect for wireless on-boarding, has been updated to a new virtual switch environment in one of our campus buildings, West Hall. We have been awarded e-rate funds to finish upgrading the remainder of our buildings. Our wireless network has several SSID's including a guest wireless network which is accessible to anyone while on campus. This guest wireless network is Internet only, separated from our production network.

Our network infrastructure, which is currently Extreme Summit 450e and Summit 460 switches, these switches are approaching their end of life. We were awarded e-rate funding for the upgrading of all district switches. We hope to complete these upgrades by the 2017-2018 school year.

We have increased our district bandwidth from 100 MG pipe to a 500 MG pipe, which is shared by all six schools. We have joined The New Jersey Broadband Component of the DRLAP is an initiative led by the New Jersey Department of Education (NJDOE) to create regional purchasing consortia for high-speed telecommunications services to help schools collaborate in order to bring down the cost of broadband services as of July 1, 2015.

Software

All district employees are provided with a Dell laptop upon hire. The laptops are configured with MS Office, Adobe Suite, Symantec Endpoint and any additional software pertinent to their program of instruction.

The district utilizes PowerSchool for student recordkeeping. The Parent/Student portal within PowerSchool enables parents and students to access an up to date listing of their attendance and grade records. This portal has taken some of the work load off teachers by cutting down the number of phone calls and e-mails to parents in regards to student progress.

To increase administrative access to our network, we utilize a VPN into our network, via our Sonic Firewall, for administrators that need to access the network from off campus. The VPN has provided a fast and convenient way for administrators to access the network from off campus.

We have also moved to electronic transfer of Board agendas. All board members now have electronic access to the board agenda and attachments through a secure section of our web site. We are also posting the minutes from our Board meetings on the website.

We have also signed up with Strauss Esmay which hosts our board policies online. This provides administrator's access to update polices online. The public can request to see the policies through building administrators.

We have moved our district website to Schoolwires. This move has provided faculty and students with a tool that enables Web-based solutions which are designed to connect K-12 communities with the information, services and people they need to achieve their district goals.

With the inception of our 1:1 initiative, we have also utilize Google Apps. Students and teachers have been collaborating using their devices for several years. Last year the Academy for Information Technology introduced Google Classroom to their teachers. This year every teacher in this academy has a Google Classroom. It is the goal of the district for all the teachers in the other academies to do have one as well.

Administratively we have also moved to InfoSnap for student registration; Absence Management for faculty attendance; SchoolDude for technology and maintenance work orders, as well as facility scheduling; Teachscape and My Learning plan for professional development and faculty evaluations. We are also using Google manage curriculum revisions.

Needs Assessment

The technology needs assessments pertaining to educational technology revolve around the district's technology goals and what is needed to fulfill them. We continually collect data from multiple facets to help guide all technology related decision making. This data helps determine the best practices for classroom integration and the need for professional development, hardware procurement and determining the continuation of software investments as related to utilization.

Additionally the district supervisory team is heavily involved in piloting various educational software applications to constantly iterate and find the best resources that will maximize student learning.

Towards the end of the 2015-2016 school year, a survey was sent out to all staff to determine the comfort level with specific technology skills, the skill level with specific tools/applications, and to evaluate interest in additional training of specific tools/applications. Results for this survey are available in Appendices E & F.

The Technology Integration Team utilized the data to drive the content to be covered in the 2016 staff development days and monthly technology meetings. Survey data was also used to help plan for our wireless upgrade. Results help us pinpoint issues in current configuration, so that we can address them in the upcoming upgrade.

Goals

The Union County Vocational-Technical School District is responsible for the education of all children in our district. To this end, the technology mission of UCVTS is: (a) all students and staff will have the knowledge, and technology skills necessary to achieve the district's goals and New Jersey Core Curriculum Content Standards, and (b) to use appropriate technology based resources to facilitate the performance of all scholastic and administrative tasks at the building, county, state, and global levels.

In order to accomplish the technology mission of UCVTS, the following goals have been established to insure our students' success as they live, learn, and work in an ever changing information age.

Goal 1. District teachers will utilize the power of technology to enhance and transform the learning environment while optimizing the opportunity for a value added approach to globalization of the curriculum, asynchronous learning, and the creation, collaboration and publication of digital content, while also appropriately supporting state mandated curriculum requirements.

Goal 2. The district will promote and enforce policies to build 21st Century Global Citizenship.

Goal 3. The district will foster and support staff development opportunities to ensure a technology literate staff.

Goal 4. The district will continue to support a well-managed infrastructure, software resources and tools, 1:1 technology programs, efficient repair procedures, and high speed connectivity to the internet in all instructional and administrative areas within the district.

Three-Year Implementation and Strategies Table

Built within each goal listed in the following section is a documentation/evaluation component associated with each benchmark activity. Each person(s) listed as responsible for the implementation of the said goal(s) will ensure that the benchmarks have been achieved.

The Director of Technology evaluates the larger district plan, including the implementation of network services, with feedback from the technology staff, and in house staff. Through regularly scheduled meetings with the Superintendent and Assistant Superintendent and updates to the district curriculum leaders, progress is examined, modified, and new methods of implementation evaluated. If changes are needed, because of the existence of new technologies, state/federal or funding requirements, then this plan will be amended with these as needed.

With technology's accelerated rate of change, the district must be flexible and able to adopt and modify goals appropriately. The implementation and strategies outlined below will be constantly monitored to ensure they are meeting the needs of the district and the community it serves. New technologies will be continuously evaluated and recommendations/modifications will be made on an ongoing basis.

Goal 1. District teachers will utilize the power of technology to enhance and transform the learning environment while optimizing the opportunity for a value added approach to globalization of the curriculum, asynchronous learning, and the creation, collaboration and publication of digital content, as well as appropriately supporting state mandated curriculum requirements.

1.1 Continue to develop, promote, and showcase the tools and strategies to globalize the curriculum.

1.2 Continue to develop, promote, and showcase the tools and strategies to create opportunities for asynchronous learning.

1.3 Continue to develop, promote, and showcase the tools and strategies for students to create, collaborate, and publish digital content.

1.4 Continue to develop, promote, and support productivity tools that are necessary for staff and students to utilize on a normal, daily basis.

1.5 Explore and develop curricular and grade level goals with introduction and/or mastery of specific technology skills.

1.6 Research and explore innovative physical classroom and learning space designs that support 21st century learning.

Goal 1 – Implementation and Strategies Table

Goal	Benchmark Activity	Person(s) Responsible	Academy	16-17	17-18	18-19
1.1.1	Cultivate cultural understanding and build global connections that enrich the learning experience for teachers and students, primarily through virtual field trips, classroom	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X

	connections and expert interactions.					
1.2.1	Extend learning activities and opportunities for students to interact with content and peers outside of the classroom, primarily through Google Classroom, content libraries, teacher-curated resources, and participatory spaces.	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
1.3.1	Promote and support students becoming active producers of digital content for authentic audiences, both individually and collaboratively, primarily in the areas of diagrams and visualizations, graphic design products, multimedia, and dynamic, interactive presentations.	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
1.4.1	Promote, train and support teachers with the development of skills with basic productivity tools and district provided resources, primarily in the areas of Google Apps, classroom management and organization, data collection and instant feedback, and professional learning networks.	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
1.5.1	Explore the feasibility of adding coding to AIT curriculum	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AIT	X	X	X
1.5.2	Explore adding digester to Sustainability Program	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	UCTECH	X	X	X
1.6.1	Research and explore the redesign of physical space in computer labs, and other learning spaces to be more conducive to 21st century learners.	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X

1.6.2	Redesign main computer lab as a Maker Space for expanding student creations	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, MHS Principal, Teachers	MHS	X		

Goal 2. The district will promote and enforce policies to build 21st Century Global Citizenship.

2.1 Foster educational and informative lessons and programs that promote Digital Citizenship.

2.2 Continue to evaluate and implement new communications and educational programs to foster parental and community Digital Citizenship programs.

2.3 Promote increases in knowledge in the areas of cyber security and protecting oneself online.

Goal 2 – Implementation and Strategies Table

Goal	Benchmark Activity	Person(s) Responsible	Academy	16-17	17-18	18-19
2.1.1	Train staff on digital citizenship, digital responsibility, cyber bullying and what is digitally appropriate with students.	Curriculum Supervisors, Director of Technology, Technology Integration Team, Assistant Superintendent, Teachers	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
2.1.2	Continue to incorporate the New Jersey Student Learning Standards 8.1 strand D on Digital citizenship into all content curriculum areas.	Curriculum Supervisors, Assistant Superintendent, Curriculum Coordinators	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
2.1.3	Implement school level committees to coordinate efforts to develop school based activities focused on digital citizenship.	Director of Special Services, Curriculum Supervisors, Principals	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
2.2.2	Offer parent and community awareness programs on topics related to cyber security, cyber bullying and digital citizenship	Director of Technology, Assistant Superintendent, Principals	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
2.3.1	Provide staff training and learning in the areas of cyber security and protecting oneself online.	Director of Technology, Technology Integration Team, Principals	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
2.3.2	Provide age appropriate resources and tools on cyber security and protecting oneself online.	Director of Technology, Technology Integration Team, Principals	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X

Goal 3. The district will foster and support staff development opportunities to ensure a technology literate staff.

3.1 Continue to offer a wide variety of staff development and technology training opportunities.

3.2 Offer mandatory essential training of staff with the implementation of new technology initiatives.

3.3 Continue to provide resources to assist teachers with the successful implementation of technology integration.

Goal 3 – Implementation and Strategies Table

Goal	Benchmark Activity	Person(s) Responsible	Academy	16-17	17-18	18-19
3.1.1	Expand the interactive online knowledge base to provide a self-help support resource to all staff.	Technology Integration Team, Director of Technology, Technology Coordinator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
3.1.2 3.2.1	Continue to run monthly technology training opportunities in topics covering the latest district technology offerings.	Technology Integration Team, Principals, PD Chairman	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
3.2.2	Provide training for new district staff in the use of the district software.	Assistant Superintendent, Principals, PD Chairman	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
3.3.1	Continue to evaluate the use of technology and include a technology component where appropriate in all new and revised curricula and in the selection of curricular materials.	Director of Technology, Assistant Superintendent, Principals, PD Chairman	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
3.3.2	Survey staff to determine training needs with regard to technology.	Technology Integration Team, Director of Technology, Technology Coordinator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
3.3.3	Implement the technology integration guide/rubric along with targeted, interactive digital resources to establish a framework for successful technology integration.	Curriculum Supervisors, Assistant Superintendent, Curriculum Coordinators, PD Chairman	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
3.3.4	Evaluate the effective use of technology in classroom observations and annual evaluations to document and promote growth in the area of technology integration.	All Administrative Staff	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X

Goal 4. The district will continue to support a well-managed infrastructure, software resources and tools, 1:1 technology programs, efficient repair procedures, and high speed connectivity to the Internet in all instructional and administrative areas within the district.

4.1 Continually analyze and iterate current 1:1 programs and staff equipment in all areas to ensure they adequately support student learning and district administrative functions.

4.2 Explore digital administrative resources to support student learning and administrative functions throughout the entire district.

4.3 Maintain a secure technology infrastructure, wireless density and needed bandwidth to ensure optimal speed needed to support all learning applications including VoIP and streaming media.

Goal 4 – Implementation and Strategies Table

Goal	Benchmark Activity	Person(s) Responsible	Academy	16-17	17-18	18-19
4.1.1	Evaluate our inventory against PARCC technology requirements and purchase necessary resources to meet PARCC testing requirements.	Director of Technology, Technology Coordinator, Business Administrator, Superintendent	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
4.1.2	Transition from purchasing new desktops on rotating basis building server back end to support virtual workstations.	Director of Technology, Technology Coordinator, Business Administrator, Superintendent	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
4.1.3	Continue transition from desktop based applications to more web based resources for greater staff and student accessibility to district resources 24/7.	Director of Technology, Technology Coordinator, Business Administrator, Superintendent	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
4.1.4	Maintain existing multimedia projection and sound field infrastructure in all K12 classrooms and explore the end of life timeline and refresh cycle of equipment.	Director of Technology, Technology Coordinator, Business Administrator, Superintendent	AAHS, AIT, APA, MHS, UCTECH, UCCTI		X	X
4.1.5	Complete implementation of our four year 1:1 program utilizing Chromebook tablets.	Director of Technology, Technology Coordinator, Business Administrator, Superintendent	AAHS, AIT, APA, MHS, UCTECH, UCCTI		X	
4.2.1	Explore options to upgrade and connect and integrate with the school's intercoms as obsolete systems fail.	Director of Technology, Technology Coordinator, Business Administrator, Building and Grounds	AAHS, AIT, APA, MHS, UCTECH, UCCTI		X	

4.3.1	Add surveillance cameras throughout the district where additional security is needed.	Director of Technology, Technology Coordinator, Business Administrator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
4.3.2	Monitor the use of the voice, video, and data network to ensure adequate bandwidth is available to facilitate collegial communication and collaboration.	Director of Technology, Technology Coordinator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
4.3.3	Install load balanced concentrated Internet connections to maintain high level of service, minimize outage time and ensure adequate bandwidth availability.	Director of Technology, Technology Coordinator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	X
4.3.4	Upgrade network infrastructure, including hard wired and wireless switches	Director of Technology, Technology Coordinator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X		
4.3.5	Upgrade virtual server environment.	Director of Technology, Technology Coordinator	AAHS, AIT, APA, MHS, UCTECH, UCCTI	X	X	

Budget

Implementation of the goals and objectives in this plan will require a continued commitment of funds over several years. All technology initiatives are funded centrally from the district's technology budget and capital funds. This ensures equity in deployment of equipment and services. It also ensures maximum cost savings as bulk orders allow deeper discounts. Grants and partnerships will contribute to the implementation of the plans along with the national ERate grant and annual district budget allocations. Priorities need to be set based upon maximizing the instructional and administrative efficiency and effectiveness of technology use, logically sequencing acquisitions, advances in technology and financial aid opportunities. The 2016-2017 spending plan reflects the funding needs of the goals and objectives of this plan, maximizing district expenses within this very tight budgetary climate.

The large technology initiative for student 1:1 devices are funded by leasing the needed money for procurement of all devices over the lifespan of the device. The utilization of leasing allows this program to proceed without creating turbulent technology budgets, essentially flat lining the technology budget to be predicable. Technology programs are not implemented without an existing rollout plan and educational rationale and evaluation plan developed. With regards to software and other items essential for the digital educational environment, the technology budget is zero based and all expenditures for digital resources are evaluated annually to ensure they are still needed and effectively being utilized new items replace older obsolete technologies.

Our application for ERate funding for upgrading our aging infrastructure was approved this past year. We anticipate proceeding with this project prior to the 2017-2018 school year.

Appendix A

Technology Plan components CHECKLIST

- If the Future Ready District Level summary report was generated within the past year school year, include a copy of the district report with the Plan submission.
- If the NJTRAx Digital Learning Surveys summary report was generated, include a copy for all identified schools.

This form may be used to ensure all components are addressed in the submitted document for review. Please address the areas below for each school that will be the focus for digital learning transformation over the next three years in the technology plan.

County/District Code:
School /Charter School/Renaissance School (SCHOOL NAME):
NJTRAx PARCC Technology Readiness Rating:
NJTRAx Digital Learning Readiness Rating:

STEP		YES	NO
1.	**The District-level vision is included in the School-based Plan.**		
2.	NJTRAx technology readiness system for this school was updated.		
3.	NJTRAx Digital Learning surveys for this school was completed, if applicable.		
4.	School-based S.M.A.R.T. Goals, Strategies, Objectives and Indicators that evaluate the completion and success of the goal(s), strategies, and objectives are included for this school.		
5.	**The action plan identifies the person(s) responsible for ensuring goals, strategies and objectives are completed within the specified time frames.**		
6.	**The submitted plan addresses the task of reflecting on the results of the activities, and adjusting the plan accordingly for this school at targeted time intervals.**		
7.	A budget is included that supports the activity plan.		
8.	**The plan for digital learning through the infusion of technology within instruction and/or the curriculum is clearly understood in this school.**		
9.	**The signed STAKEHOLDER ASSURANCE is included.**		

Appendix B

I agree to the contents in this educational plan, and the assurance that I will be involved in the implementation of this Technology Plan for Digital Learning. Involvement in the implementation of this Plan may include: reviewing the progress of meeting the goals and objectives, being responsible for completing one or more activities in the action plan, participating in the revisions of the plan. Stakeholders associated with the district and school levels (i.e., each principal from targeted schools) should sign.

Stakeholder Name	Stakeholder Title	Stakeholder Signature
Peter Capodice	District Superintendent	
Gwen Ryan	Assistant Superintendent	
John Downey	Director of Technology	
Damien Dimino	Technology Coordinator	
Walt Smolenski	Principal, AAHS	
Lisa Tauscher	Principal, UCCTI	
Sue Anne Marcello	Supervisor, APA	
Tricia Drevelus	Instructor MHS	
Jacqueline Gerstein	Instructor MHS	
Leslie Kepner	Instructor UCTECH	
Andrew Gershenfeld	Student	
Gibson Val	Student	
Anthony Carvalho	Parent	
Adam Moskowitz	PD Chairman	

Appendix C

NJTRAX NJTRAx Data Users NJTRAx Digital Learning NEW PARCC Level: Minimum - jdowney@ucvts.tec.nj.us - My Account - Logout

Data Editor / District List / District List

District List

Filters

Name City District Code Overall Readiness

Filter Reset

This list includes all the districts you are authorized to view in NJTRAx.

Readiness Ratings for Online PARCC Performance Assessment (30-day window) are based on a scale of 0-9, (0 = missing or out-of-range data, 1 = low and 9 = high).

The 3 Technical Assistance (TA) categories are determined by the district Readiness ratings: - TA Intensive (1-3 Ratings); TA Moderate (4-6 Ratings); TA Minimal (7-9 Ratings)

						Minimum PARCC Specs Readiness for Performance Based Assessment (30-day window) (Scoring 0-9)			Recommended PARCC Specs Readiness for Performance Based Assessment (30-day window) (Scoring 0-9)				
Checkbox	Name	City	Phone Number	Date Updated	Date Submitted	Tech	Network	Device	Tech	Network	Device	Ratings do not reflect DLM requirements	Action
☐	Union County Vocational-Technical School District	Scotch Plains	908-889-8288	2016-09-19	2013-11-22	6	6	9	6	6	9	⊘ no	District Readiness Report

☐ All Districts Export Report OK

1 / 1 - 1 result - Per page 32

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Appendix D

NJTRAX NJTRAx Data Users NJTRAx Digital Learning NEW PARCC Level: Minimum - jdowney@ucvts.tec.nj.us - My Account - Logout

Data Editor / School List / School List

School List

Filters

Name

School Code

Is Active

Testing Type

Overall Readiness

Network Readiness

Device Readiness

Filter Reset

This list of schools includes all the schools you are authorized to view in NJTRAx.

The Readiness Ratings for Online PARCC Performance Assessment (30-day window) use a scale of 0-9, where 0 = Missing or Out of Range Data, 1-3 = Low Not Ready, 4-6 = Moderate Not Ready, and 7-9 = Ready.

The 3 Technical Assistance (TA) categories are based on the school Readiness ratings: 0 = Indicates missing or out of range data; TA Intensive = Not Ready (1-3); TA Moderate = Not Ready (4-6); and TA Minimal = Ready (7-9)

The purple flag ( ) indicates the school's Network Readiness rating and/or its Technology Readiness rating have been adjusted by the state administrator to ensure they accurately reflect the sharing of bandwidth with another school.

						Minimum PARCC Specs			Recommended PARCC Specs				
						Readiness for Performance Based Assessment (30-day window) (Scoring 0-9)			Readiness for Performance Based Assessment (30-day window) (Scoring 0-9)				
Checkbox	School	District	Active/Inactive	Date Updated	Date Submitted	Tech	Network	Device	Tech	Network	Device	Ratings do not reflect DLM requirements	Action
☐	Academy For Allied Health Sciences	Union County Vocational-Technical School District	Active	2016-09-26	2013-11-22	9	9	9	9	9	9	no	School Readiness Report
☐	Academy For Information Technology	Union County Vocational-Technical School District	Active	2016-09-19	2013-11-22	9	9	9	9	9	9	no	School Readiness Report
☐	Academy For Performing Arts	Union County Vocational-Technical School District	Active	2016-09-19	2013-11-22	9	9	9	9	9	9	no	School Readiness Report
☐	Union County Magnet High School	Union County Vocational-Technical School District	Active	2016-09-26	2013-11-22	9	9	9	9	9	9	no	School Readiness Report
☐	Union County Tech	Union County Vocational-Technical School District	Active	2016-09-19	2013-11-22	9	9	9	9	9	9	no	School Readiness Report

☐ All Schools Export Report OK

1 / 1 - 5 results - Per page 32

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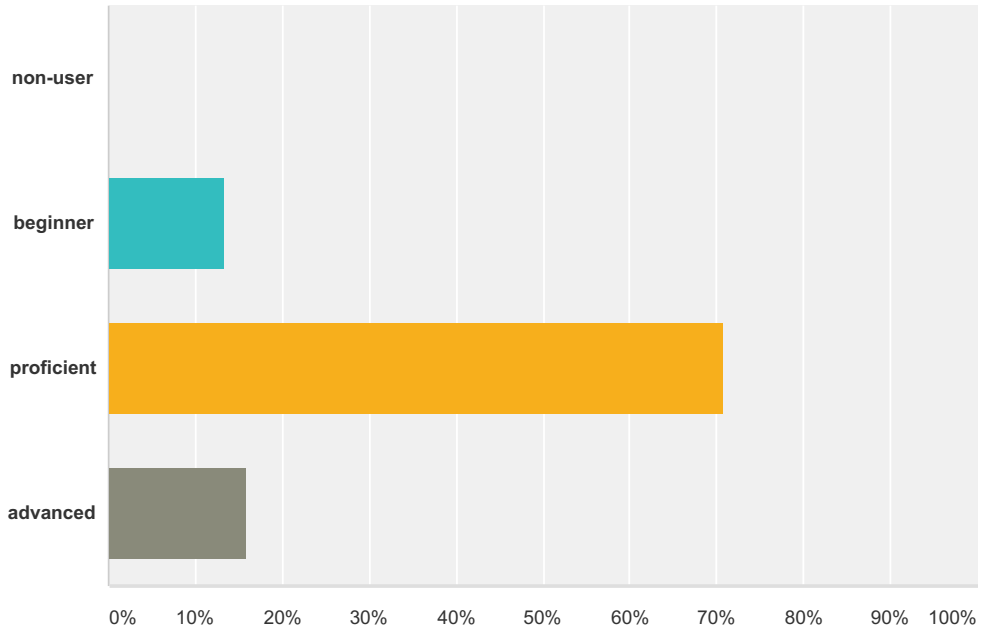
Appendix E

Q1 Please rate your level of expertise regarding the use of technology.

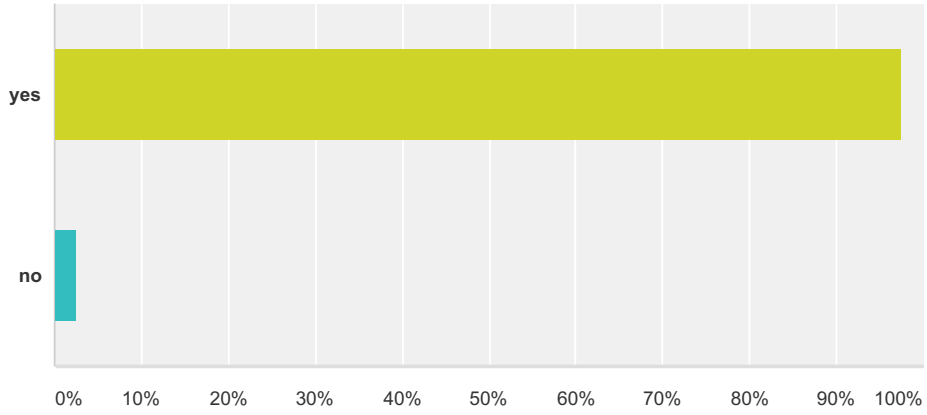
Answered: 82 Skipped: 0



Answer Choices	Responses	
non-user	**0.00%**	0
beginner	**13.41%**	11
proficient	**70.73%**	58
advanced	**15.85%**	13
Total		**82**

Q2 I use on-line (WWW) resources to find materials relevant to my curriculum.

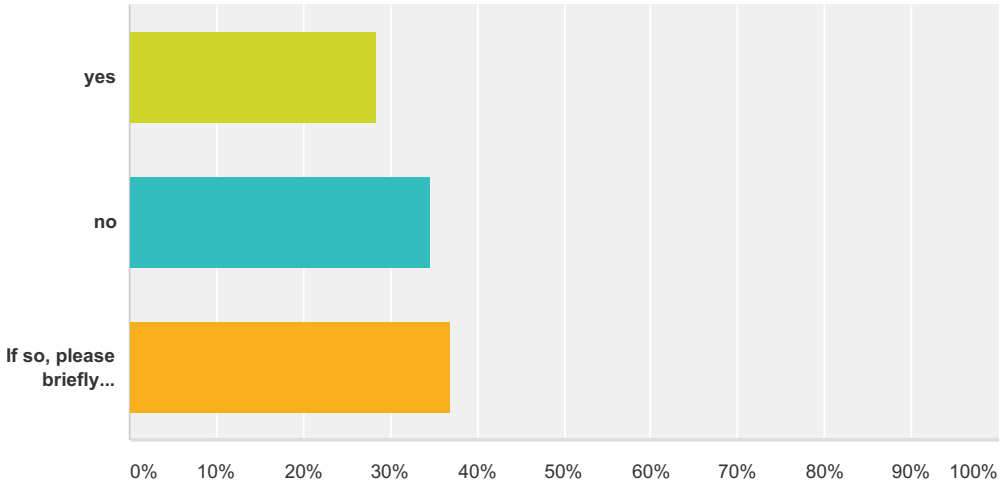
Answered: 82 Skipped: 0



Answer Choices	Responses	
yes	**97.56%**	80
no	**2.44%**	2
Total		**82**

Q3 I use technology to monitor student performance (e.g., electronic portfolios, etc.).

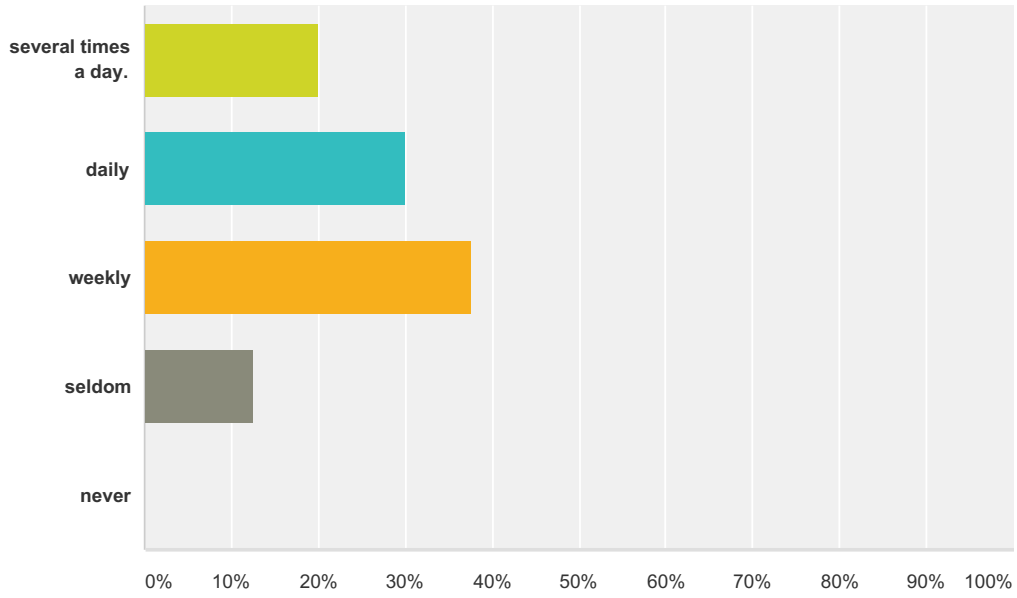
Answered: 81 Skipped: 1



Answer Choices	Responses	
yes	**28.40%**	23
no	**34.57%**	28
If so, please briefly describe how.	**37.04%**	30
Total		**81**

Q4 I use a variety of teaching strategies that incorporate technology use...

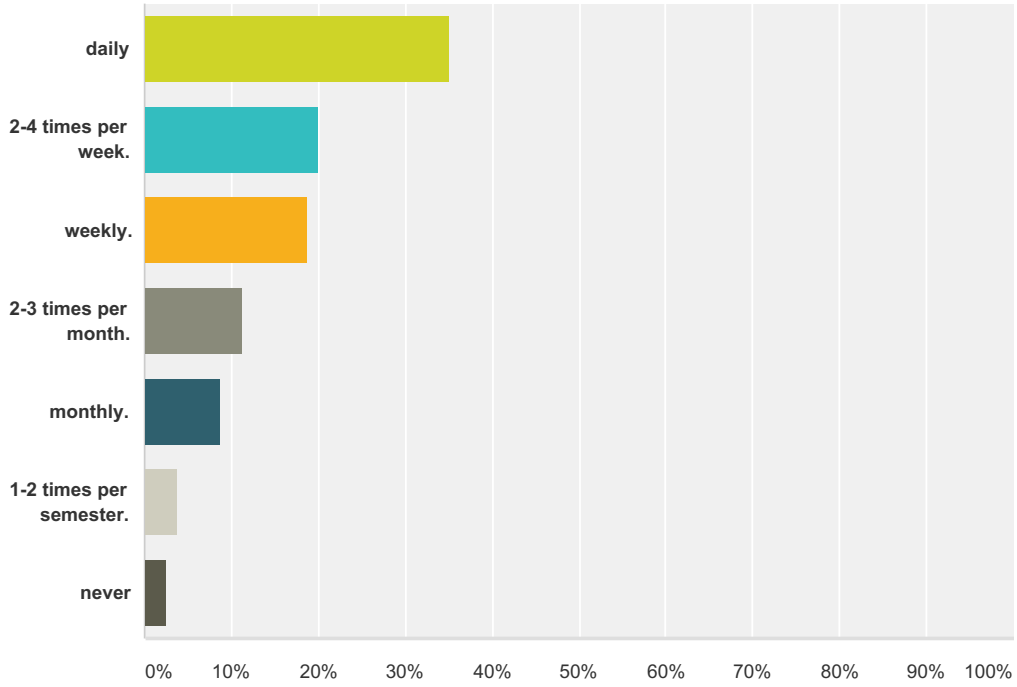
Answered: 80 Skipped: 2



Answer Choices	Responses	
several times a day.	**20.00%**	16
daily	**30.00%**	24
weekly	**37.50%**	30
seldom	**12.50%**	10
never	**0.00%**	0
Total		**80**

Q5 The learning activities I develop require students to use technology...

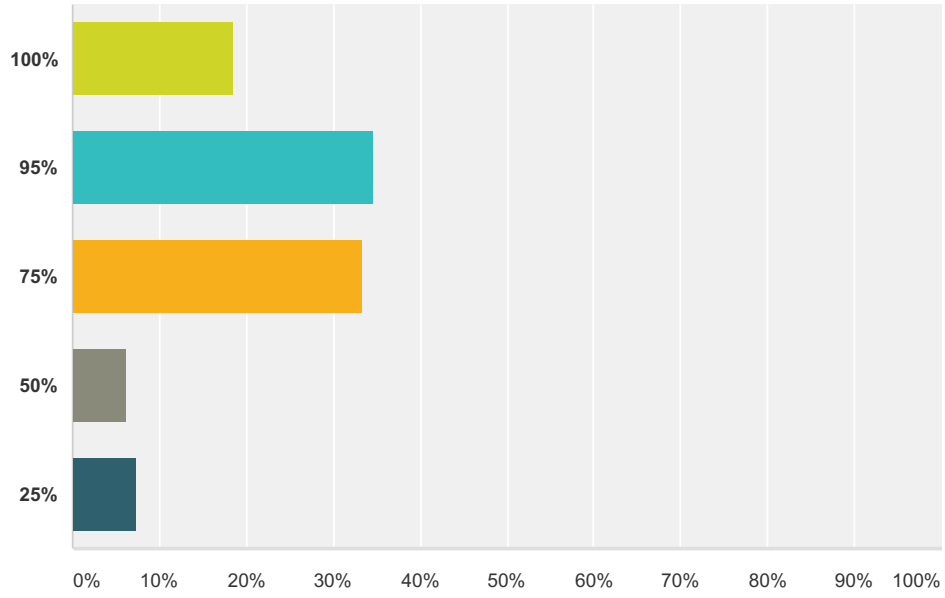
Answered: 80 Skipped: 2



Answer Choices	Responses	
daily	**35.00%**	28
2-4 times per week.	**20.00%**	16
weekly.	**18.75%**	15
2-3 times per month.	**11.25%**	9
monthly.	**8.75%**	7
1-2 times per semester.	**3.75%**	3
never	**2.50%**	2
Total		**80**

Q6 Please estimate the percentage of your written communication (to all individuals in the course of your professional work) that takesplace electronically.

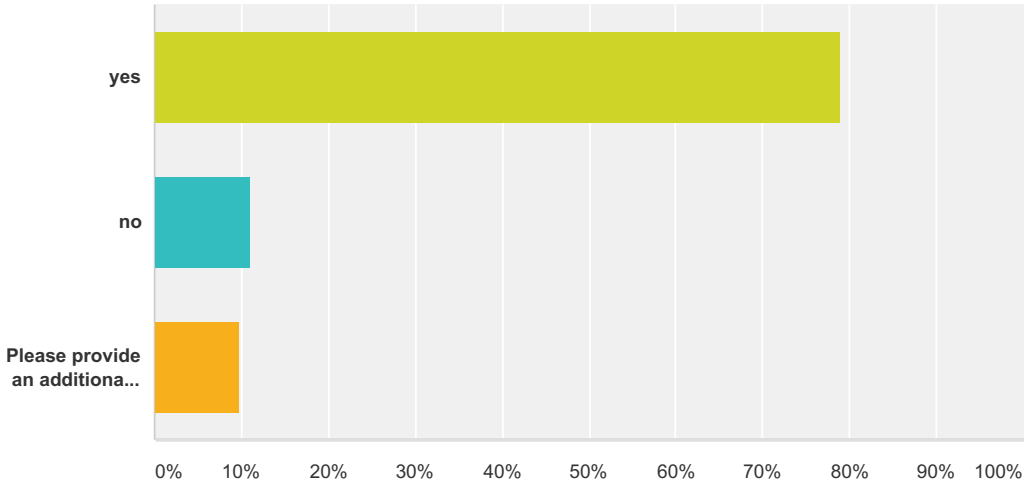
Answered: 81 Skipped: 1



Answer Choices	Responses	
100%	**18.52%**	15
95%	**34.57%**	28
75%	**33.33%**	27
50%	**6.17%**	5
25%	**7.41%**	6
Total		**81**

Q7 The administrators in my school are involved in technology professional development.

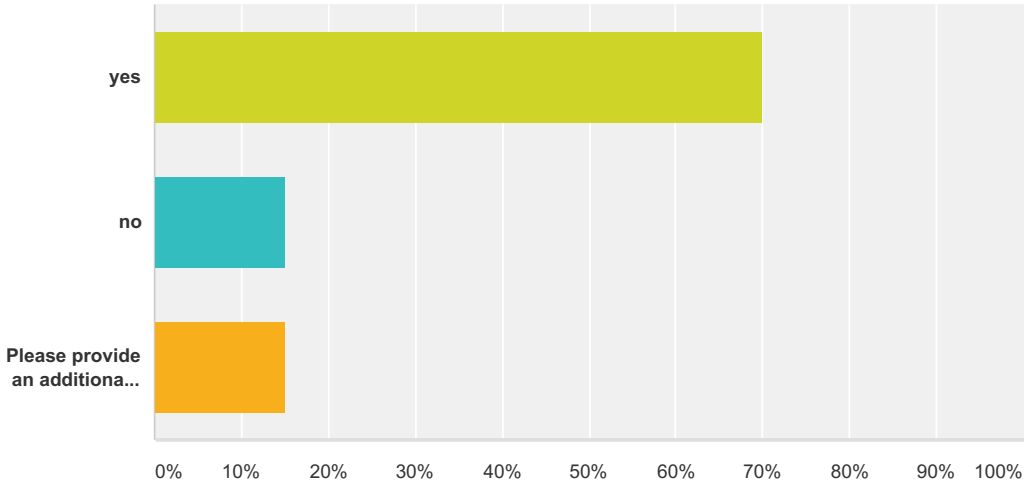
Answered: 81 Skipped: 1



Answer Choices	Responses	
yes	**79.01%**	64
no	**11.11%**	9
Please provide an additional comment if you wish.	**9.88%**	8
Total		**81**

Q8 The technology available to me and my students has the ability to increase my students' motivation.

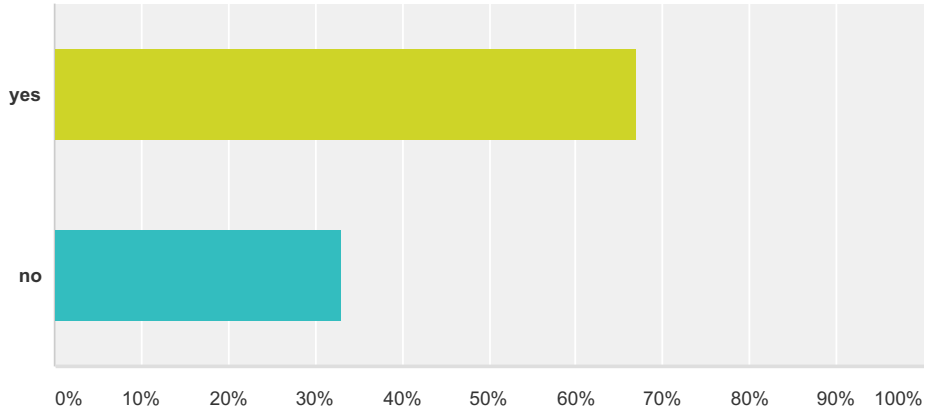
Answered: 80 Skipped: 2



Answer Choices	Responses	
yes	**70.00%**	56
no	**15.00%**	12
Please provide an additional comment if you wish.	**15.00%**	12
Total		**80**

Q9 My students use technology to reinforce basic skills.

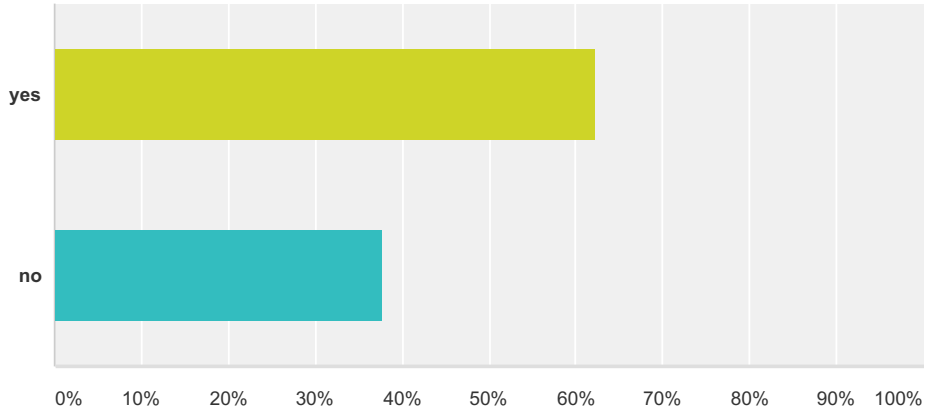
Answered: 82 Skipped: 0



Answer Choices	Responses	
yes	**67.07%**	55
no	**32.93%**	27
Total		**82**

Q10 My students use technology to become more critical thinkers.

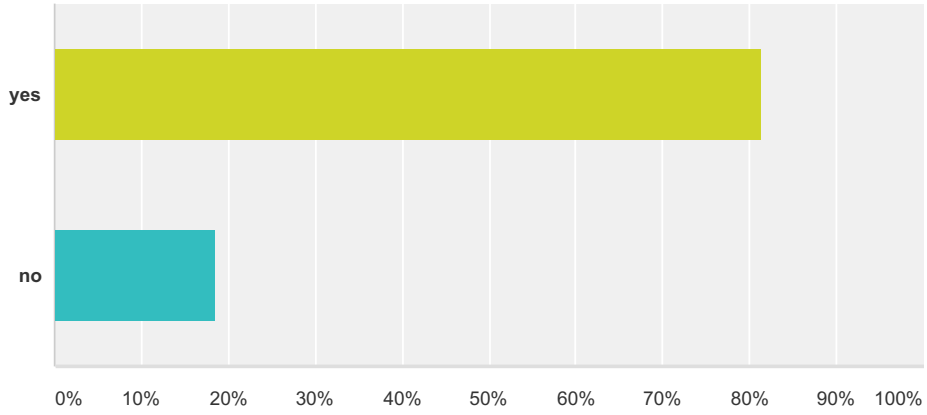
Answered: 82 Skipped: 0



Answer Choices	Responses	
yes	**62.20%**	51
no	**37.80%**	31
Total		**82**

Q11 My students use technology to help them construct new knowledge.

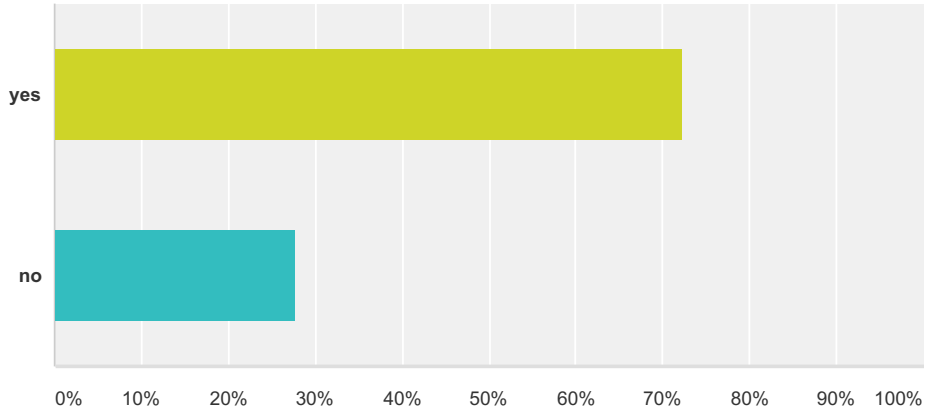
Answered: 81 Skipped: 1



Answer Choices	Responses	
yes	**81.48%**	66
no	**18.52%**	15
Total		**81**

Q12 My students use technology to discover concepts and prove relationships.

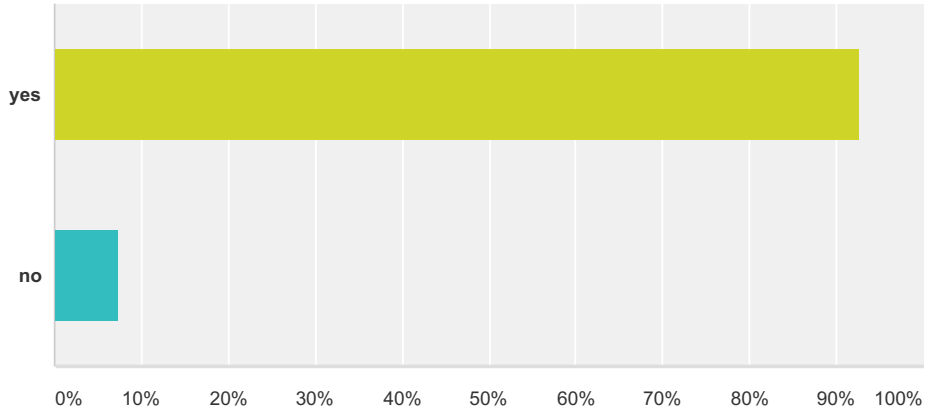
Answered: 79 Skipped: 3



Answer Choices	Responses	
yes	**72.15%**	57
no	**27.85%**	22
Total		**79**

Q13 My students use technology to communicate knowledge and information.

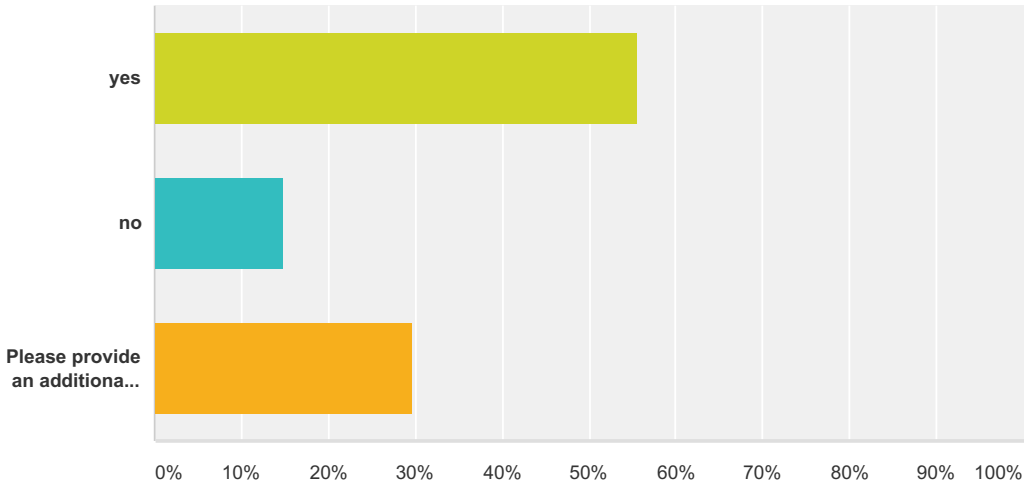
Answered: 82 Skipped: 0



Answer Choices	Responses	
yes	**92.68%**	76
no	**7.32%**	6
Total		**82**

Q14 My students' access to technology during class time is adequate.

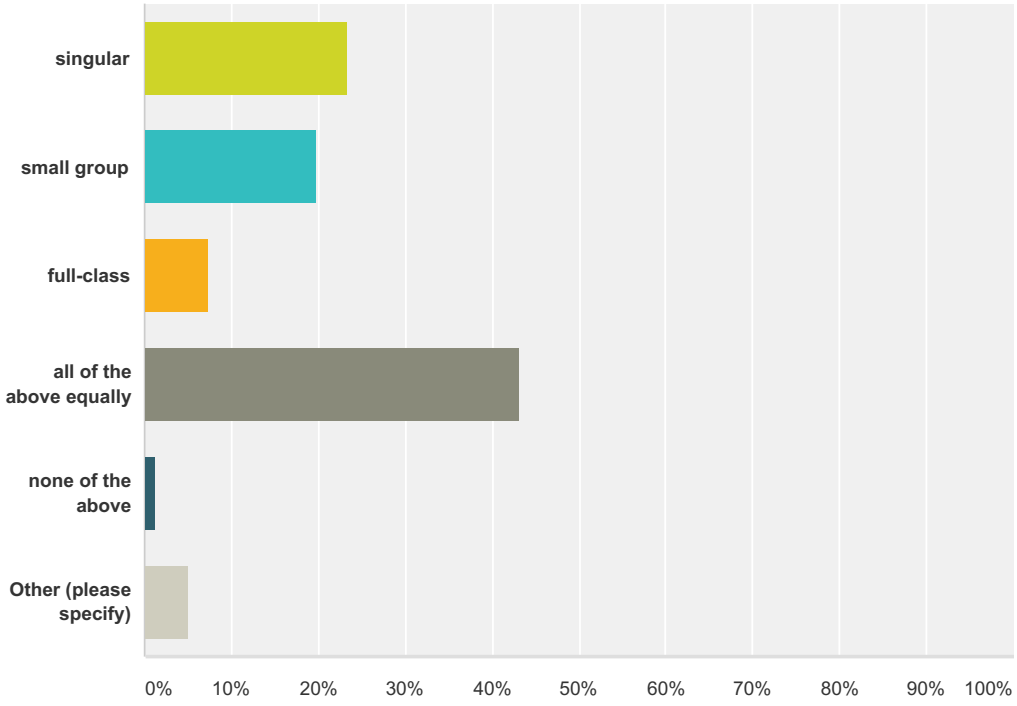
Answered: 81 Skipped: 1



Answer Choices	Responses	
yes	**55.56%**	45
no	**14.81%**	12
Please provide an additional comment if you wish.	**29.63%**	24
Total		**81**

Q15 My students use technology primarily in the following setting.

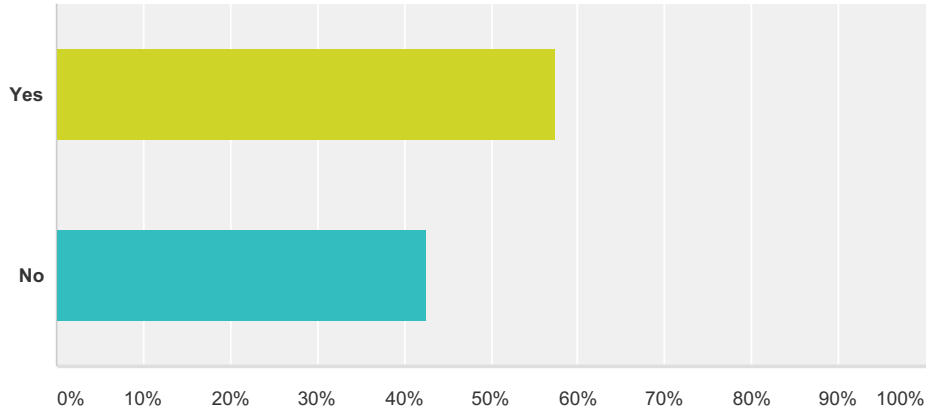
Answered: 81 Skipped: 1



Answer Choices	Responses	
singular	**23.46%**	19
small group	**19.75%**	16
full-class	**7.41%**	6
all of the above equally	**43.21%**	35
none of the above	**1.23%**	1
Other (please specify)	**4.94%**	4
Total		**81**

Q16 I have a Google Apps For Education Classroom set up.

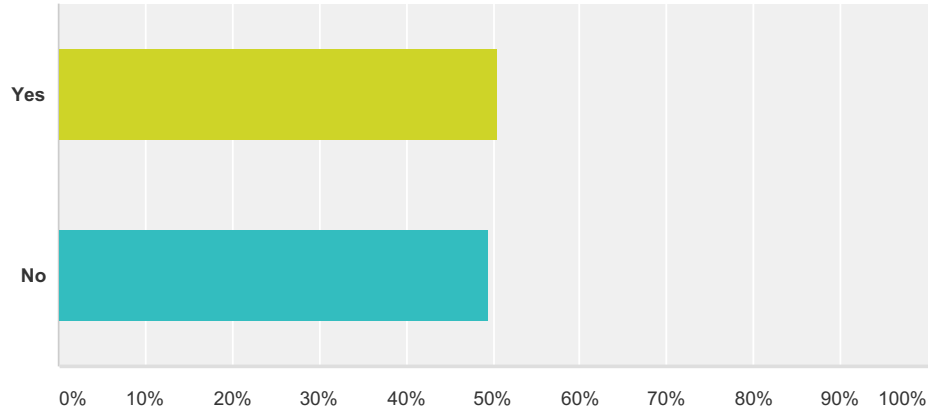
Answered: 80 Skipped: 2



Answer Choices	Responses	
Yes	**57.50%**	46
No	**42.50%**	34
Total		**80**

Q17 I store information in the Cloud, ie. iCloud, Carbonite, OneDrive, etc.

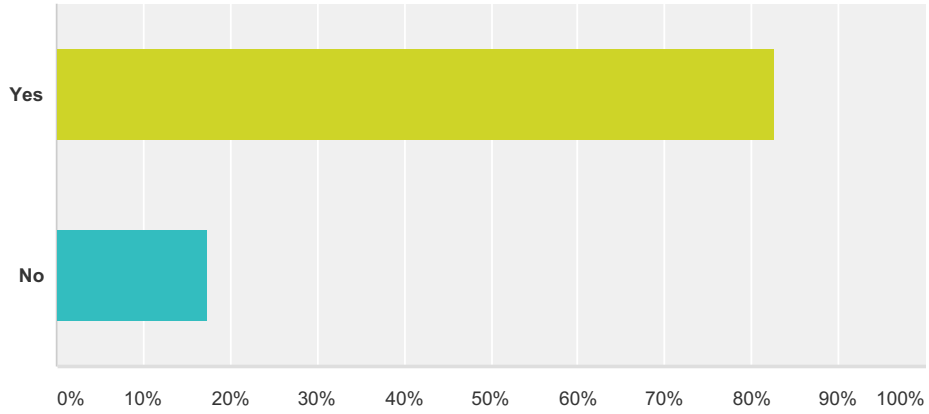
Answered: 81 Skipped: 1



Answer Choices	Responses	
Yes	**50.62%**	41
No	**49.38%**	40
Total		**81**

Q18 My laptop suits my needs.

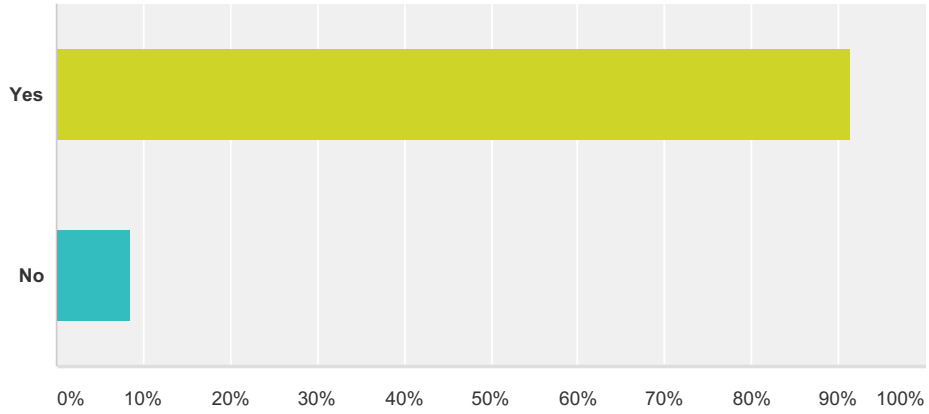
Answered: 81 Skipped: 1



Answer Choices	Responses	
Yes	**82.72%**	67
No	**17.28%**	14
Total		**81**

Q19 The wireless network works?

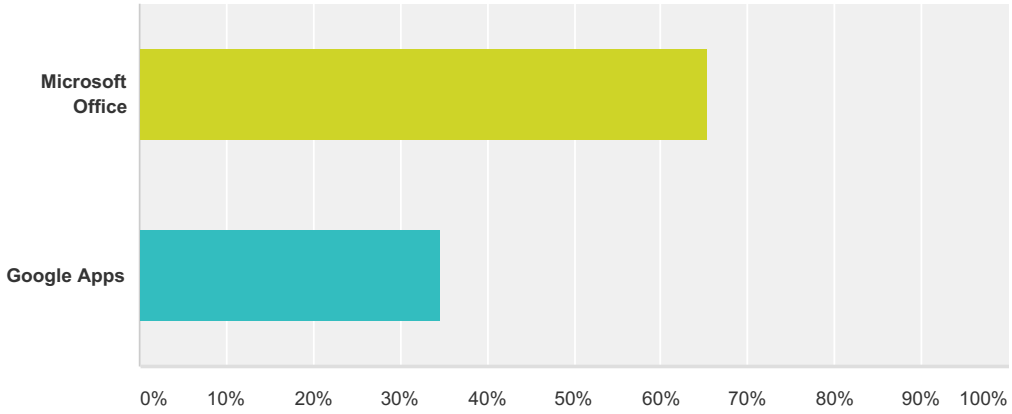
Answered: 81 Skipped: 1



Answer Choices	Responses	
Yes	**91.36%**	74
No	**8.64%**	7
Total		**81**

Q20 Which do you prefer?

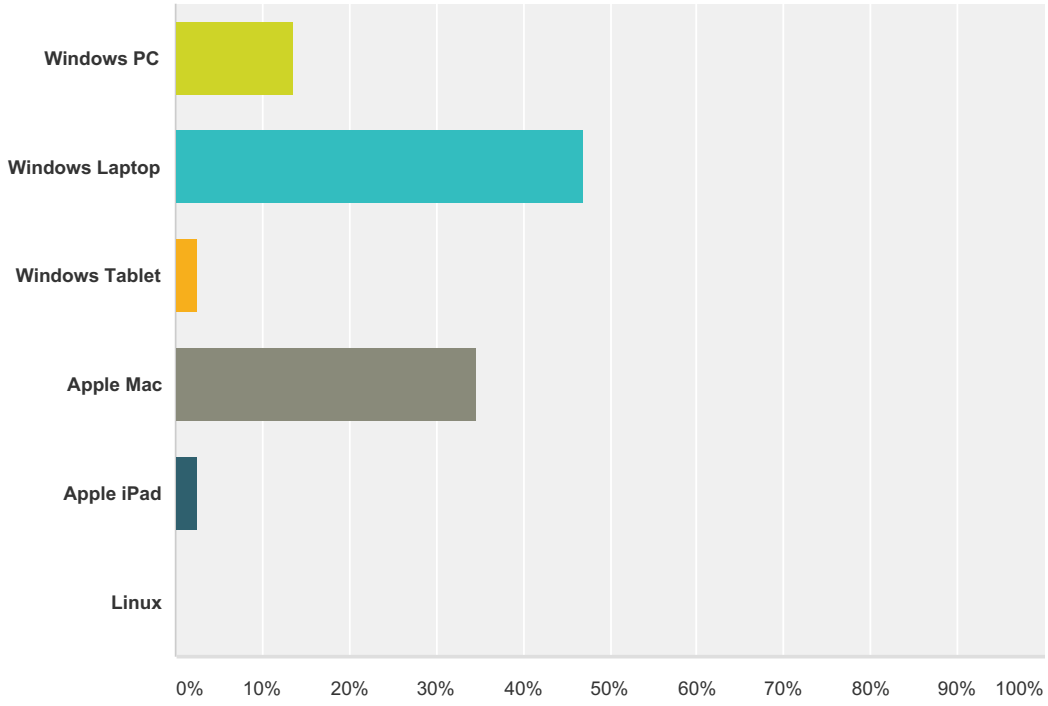
Answered: 78 Skipped: 4



Answer Choices	Responses	
Microsoft Office	**65.38%**	51
Google Apps	**34.62%**	27
Total		**78**

Q21 Which do you prefer for personal use?

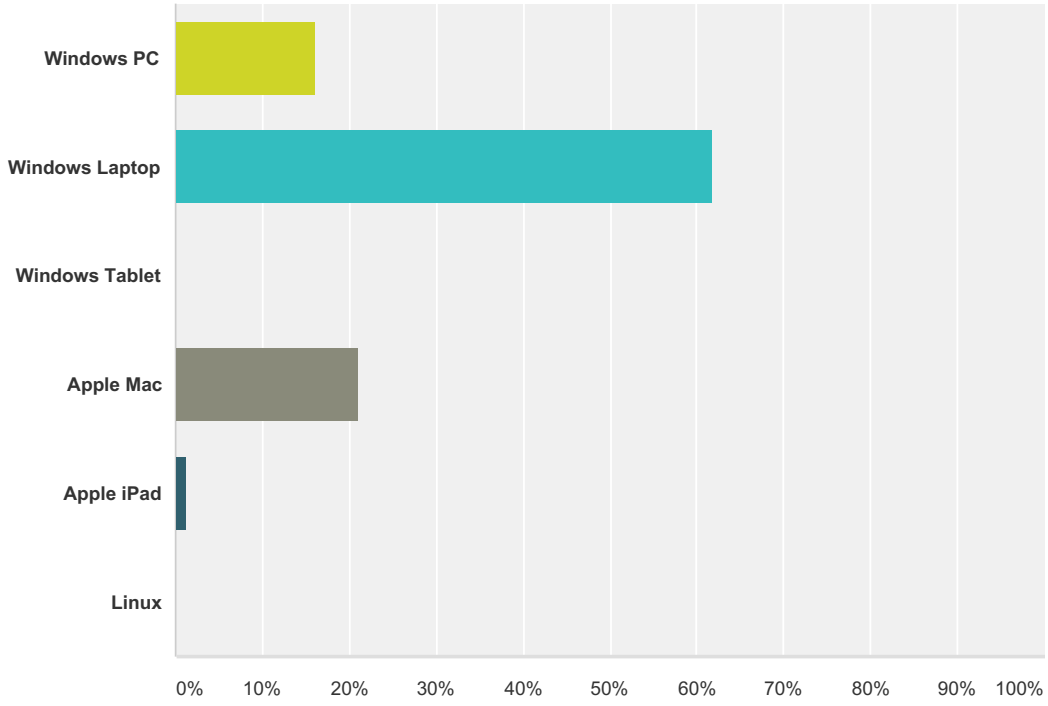
Answered: 81 Skipped: 1



Answer Choices	Responses	
Windows PC	**13.58%**	11
Windows Laptop	**46.91%**	38
Windows Tablet	**2.47%**	2
Apple Mac	**34.57%**	28
Apple iPad	**2.47%**	2
Linux	**0.00%**	0
Total		**81**

Q22 Which do you prefer for professional use?

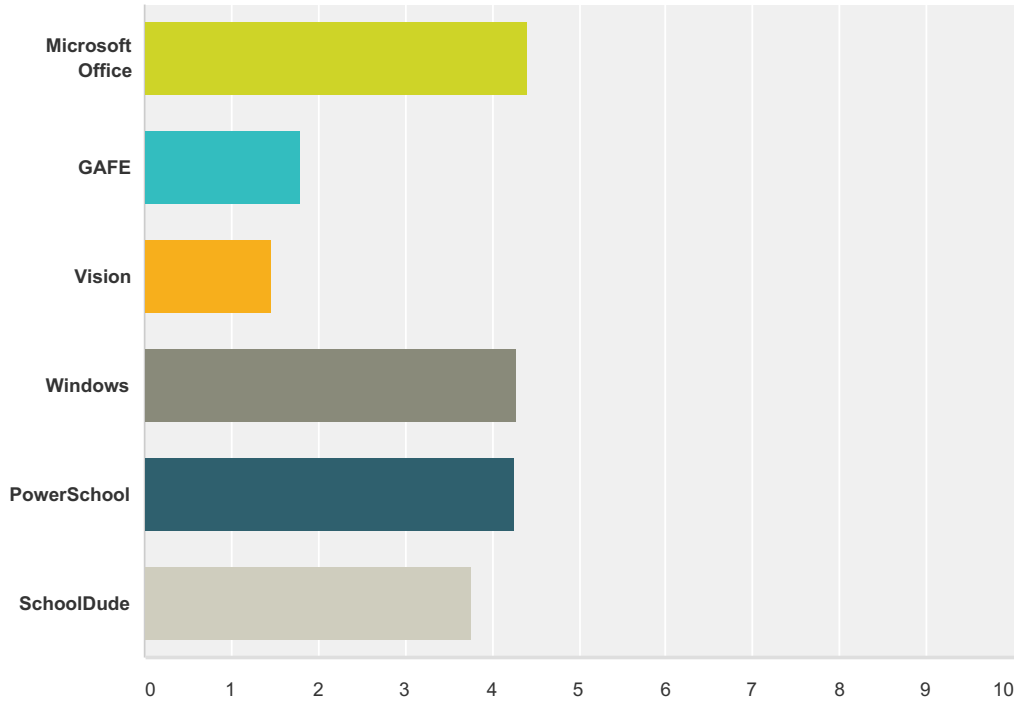
Answered: 81 Skipped: 1



Answer Choices	Responses	
Windows PC	**16.05%**	13
Windows Laptop	**61.73%**	50
Windows Tablet	**0.00%**	0
Apple Mac	**20.99%**	17
Apple iPad	**1.23%**	1
Linux	**0.00%**	0
Total		**81**

Q23 What is your comfort level with the following programs? 1 being least comfortable and 5 being the most.

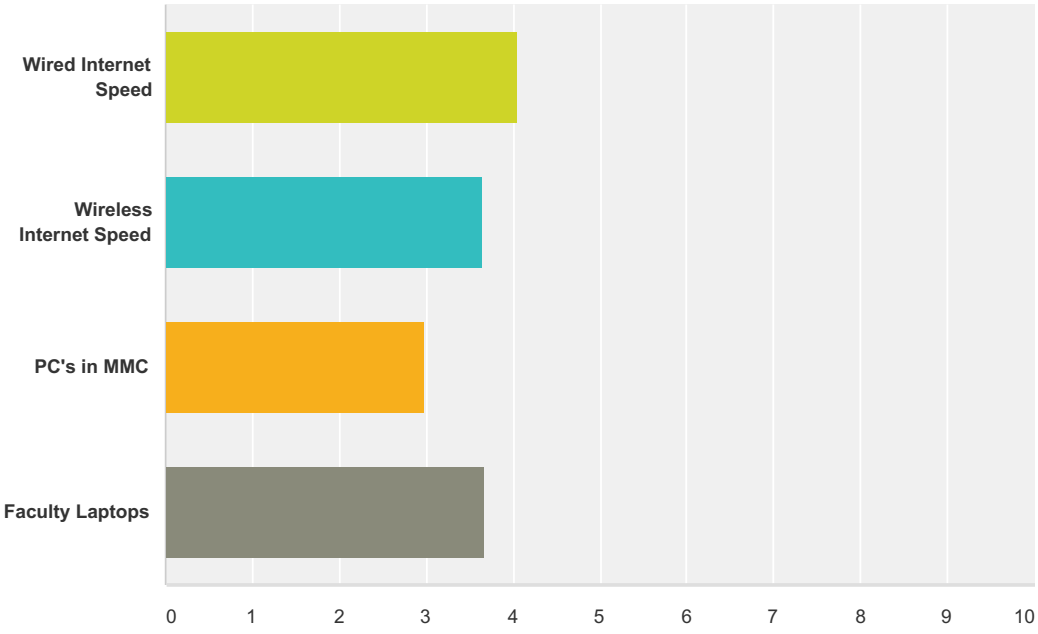
Answered: 82 Skipped: 0



	1	2	3	4	5	Total	Weighted Average
Microsoft Office	0.00% 0	2.44% 2	13.41% 11	24.39% 20	59.76% 49	82	4.41
GAFE	69.74% 53	5.26% 4	9.21% 7	7.89% 6	7.89% 6	76	1.79
Vision	74.67% 56	10.67% 8	9.33% 7	4.00% 3	1.33% 1	75	1.47
Windows	2.50% 2	3.75% 3	11.25% 9	27.50% 22	55.00% 44	80	4.29
PowerSchool	0.00% 0	4.88% 4	9.76% 8	40.24% 33	45.12% 37	82	4.26
SchoolDude	4.88% 4	8.54% 7	20.73% 17	37.80% 31	28.05% 23	82	3.76

Q24 Rate the quality of the following services, with 1 being the lowest and 5 being the highest.

Answered: 82 Skipped: 0



	1	2	3	4	5	Total	Weighted Average
Wired Internet Speed	**1.27%** 1	**5.06%** 4	**18.99%** 15	**36.71%** 29	**37.97%** 30	79	4.05
Wireless Internet Speed	**2.50%** 2	**11.25%** 9	**23.75%** 19	**43.75%** 35	**18.75%** 15	80	3.65
PC's in MMC	**8.45%** 6	**23.94%** 17	**36.62%** 26	**22.54%** 16	**8.45%** 6	71	2.99
Faculty Laptops	**3.70%** 3	**7.41%** 6	**29.63%** 24	**37.04%** 30	**22.22%** 18	81	3.67

Q25 I find most of the technical problems occur here? Please enter details below.

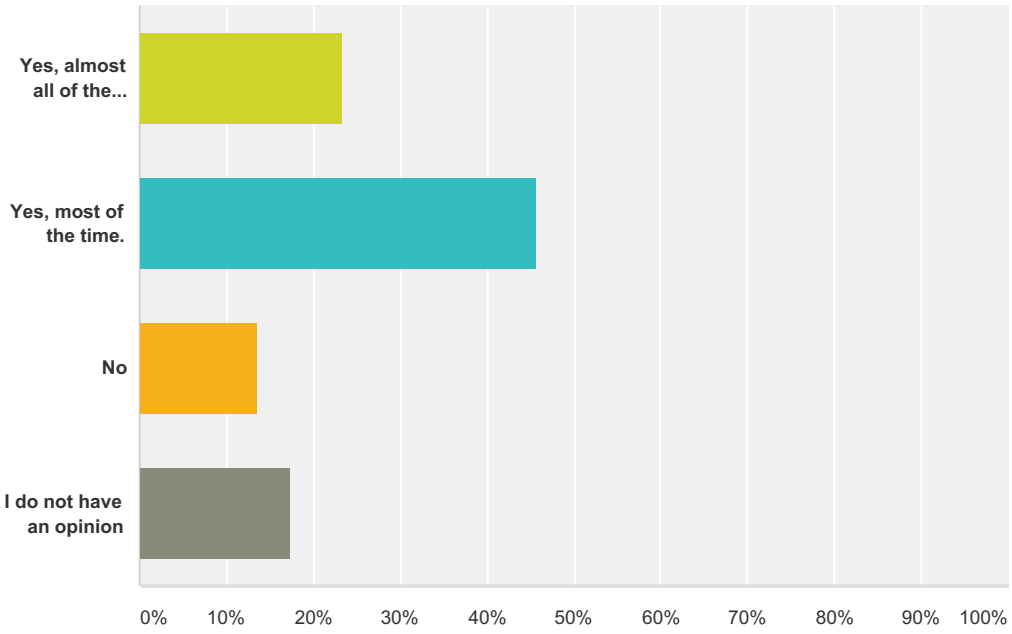
Answered: 52 Skipped: 30

Q26 My most frequent technical problem is? Please enter details below.

Answered: 56 Skipped: 26

Q27 Do 1:1 digital devices in the learning environment support student learning?

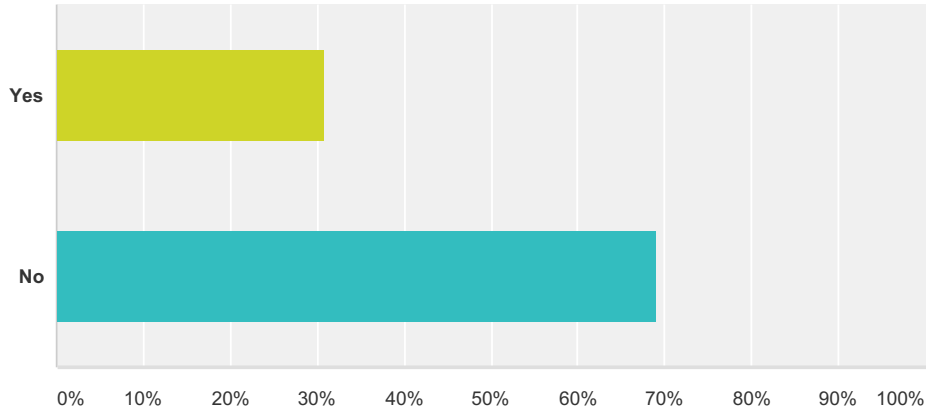
Answered: 81 Skipped: 1



Answer Choices	Responses	
Yes, almost all of the time.	**23.46%**	19
Yes, most of the time.	**45.68%**	37
No	**13.58%**	11
I do not have an opinion	**17.28%**	14
Total		**81**

Q28 Are you aware that the district will reimburse you for becoming a certified Google Educator?

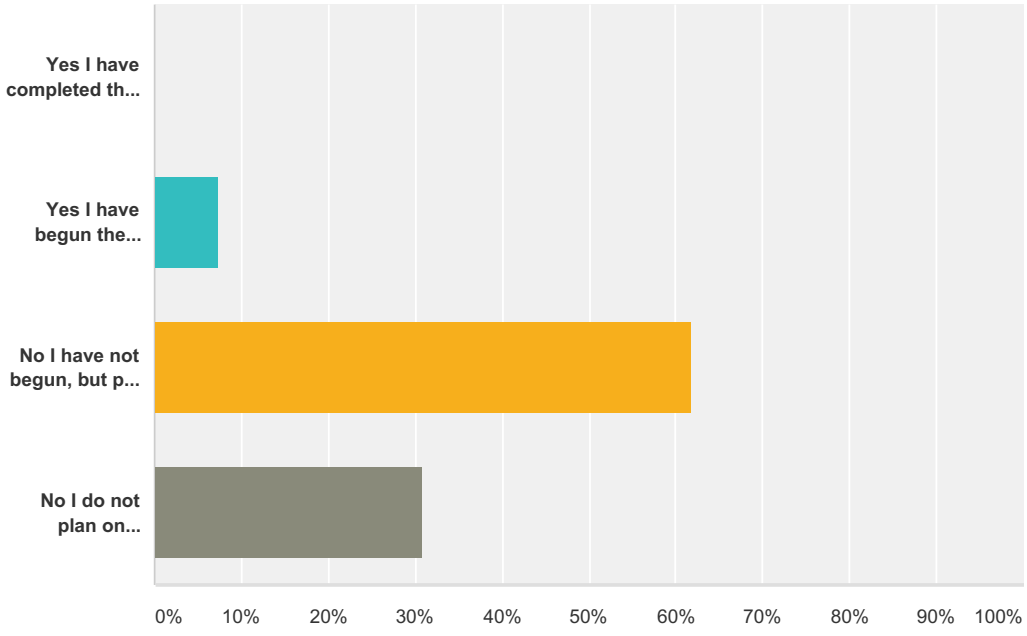
Answered: 81 Skipped: 1



Answer Choices	Responses	
Yes	**30.86%**	25
No	**69.14%**	56
Total		**81**

Q29 Have you completed or begun the process of becoming a certified Google Educator

Answered: 81 Skipped: 1

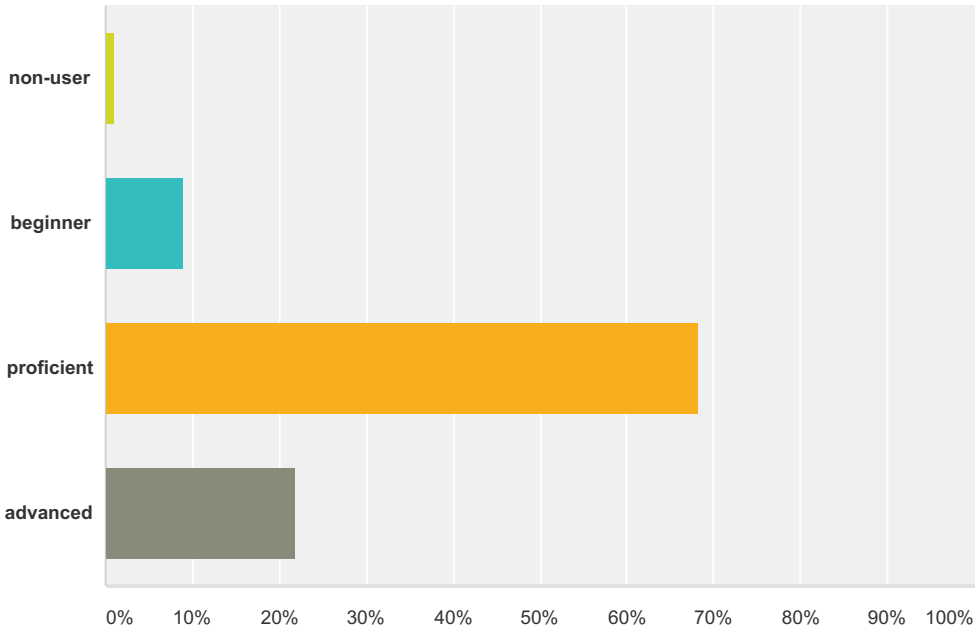


Answer Choices	Responses	
Yes I have completed the certification	**0.00%**	0
Yes I have begun the process of becoming certified	**7.41%**	6
No I have not begun, but plan to become certified	**61.73%**	50
No I do not plan on becoming certified	**30.86%**	25
Total		**81**

Appendix F

Q1 Please rate your level of expertise regarding the use of technology.

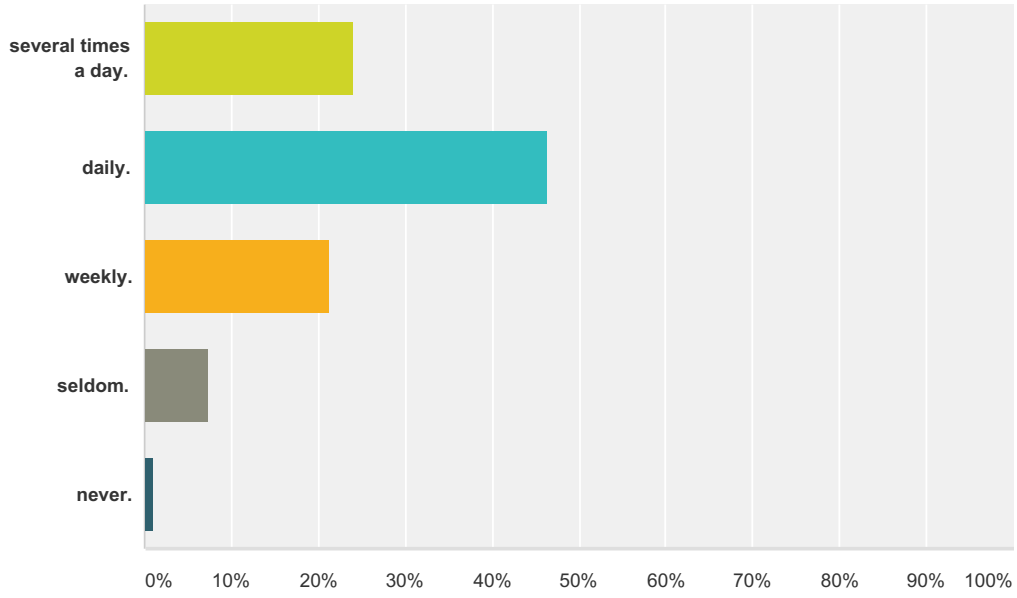
Answered: 417 Skipped: 0



Answer Choices	Responses	
non-user	**0.96%**	4
beginner	**8.87%**	37
proficient	**68.35%**	285
advanced	**21.82%**	91
Total		**417**

Q2 My teachers use a variety of teaching strategies that incorporate technology use...

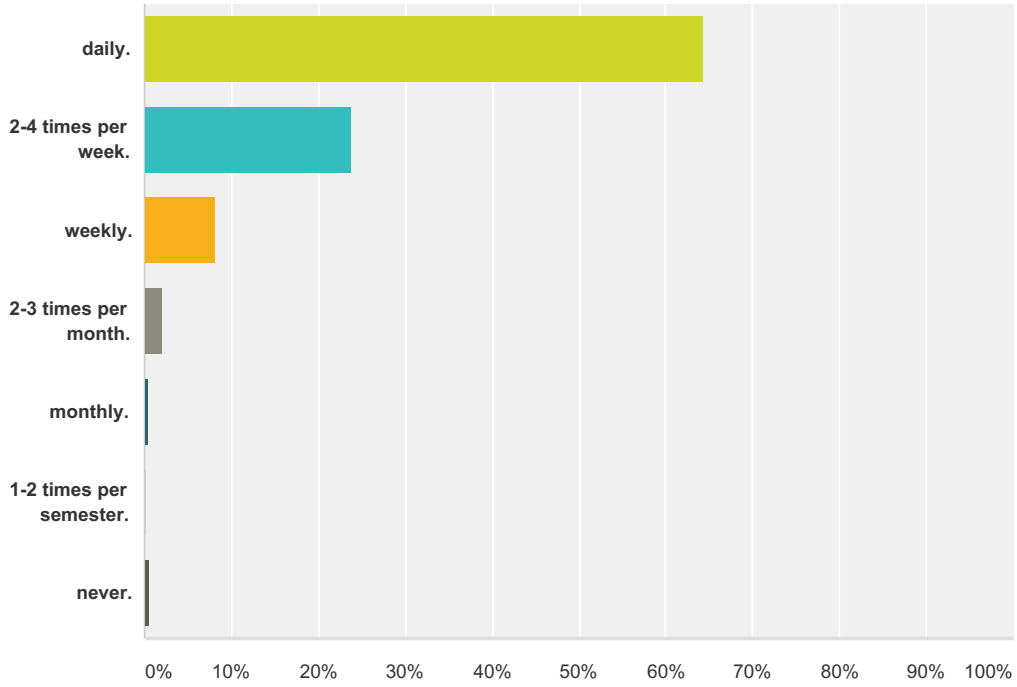
Answered: 416 Skipped: 1



Answer Choices	Responses	
several times a day.	**24.04%**	100
daily.	**46.39%**	193
weekly.	**21.39%**	89
seldom.	**7.21%**	30
never.	**0.96%**	4
Total		**416**

Q3 The learning activities that I take part in at school require me to use technology...

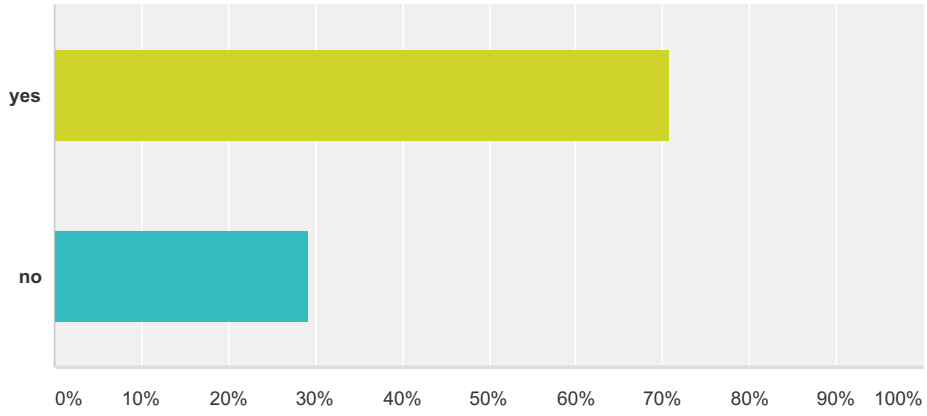
Answered: 415 Skipped: 2



Answer Choices	Responses	
daily.	**64.34%**	267
2-4 times per week.	**23.86%**	99
weekly.	**8.19%**	34
2-3 times per month.	**2.17%**	9
monthly.	**0.48%**	2
1-2 times per semester.	**0.24%**	1
never.	**0.72%**	3
Total		**415**

Q4 The technology available to me at school has the ability to increase my motivation to participate.

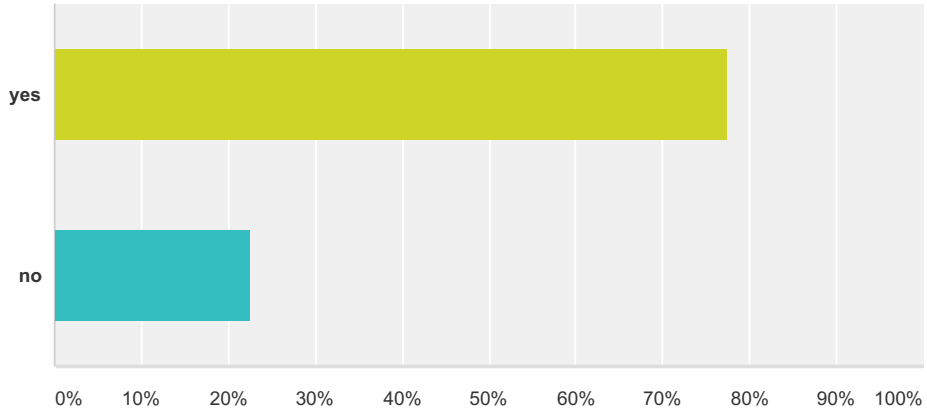
Answered: 415 Skipped: 2



Answer Choices	Responses	
yes	**70.84%**	294
no	**29.16%**	121
Total		**415**

Q5 I use technology at school to reinforce basic skills.

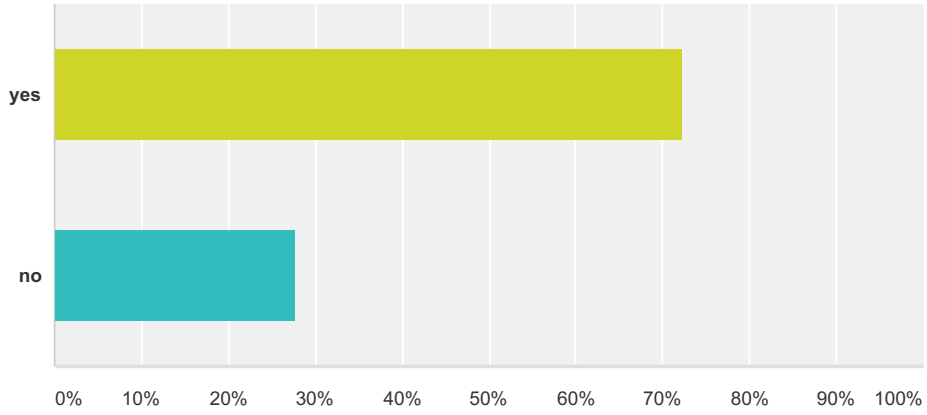
Answered: 412 Skipped: 5



Answer Choices	Responses	
yes	**77.43%**	319
no	**22.57%**	93
Total		**412**

Q6 I use technology at school to discover concepts and prove relationships.

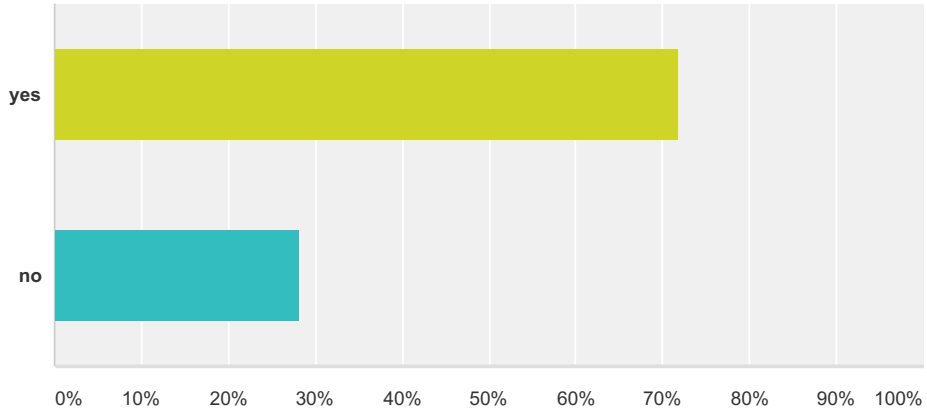
Answered: 413 Skipped: 4



Answer Choices	Responses	
yes	**72.15%**	298
no	**27.85%**	115
Total		**413**

Q7 I use technology at school to solve relevant, real-life problems.

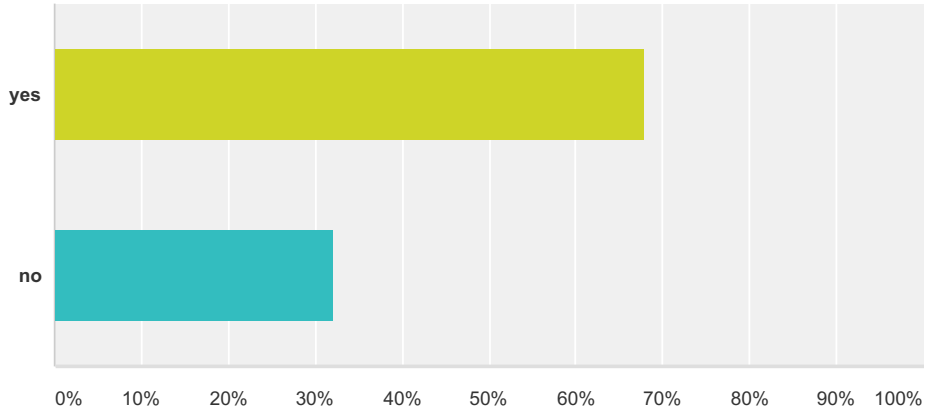
Answered: 413 Skipped: 4



Answer Choices	Responses	
yes	**71.91%**	297
no	**28.09%**	116
Total		**413**

Q8 I use technology at school to become a more critical thinker.

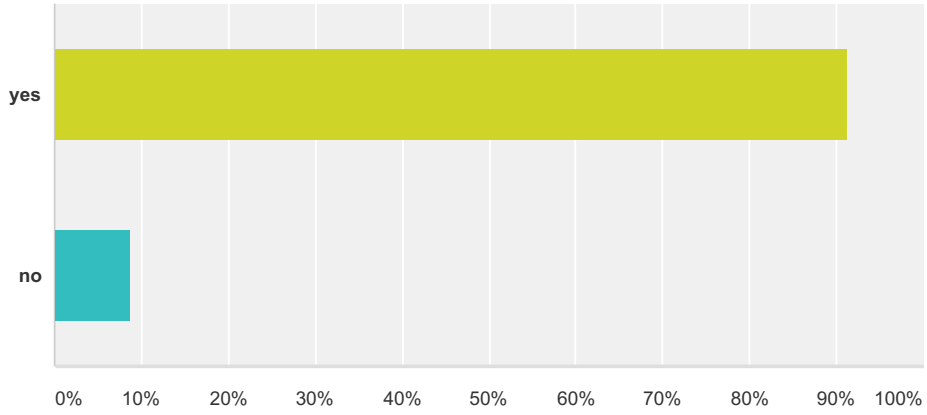
Answered: 415 Skipped: 2



Answer Choices	Responses	
yes	**67.95%**	282
no	**32.05%**	133
Total		**415**

Q9 I use technology at school to communicate knowledge and information.

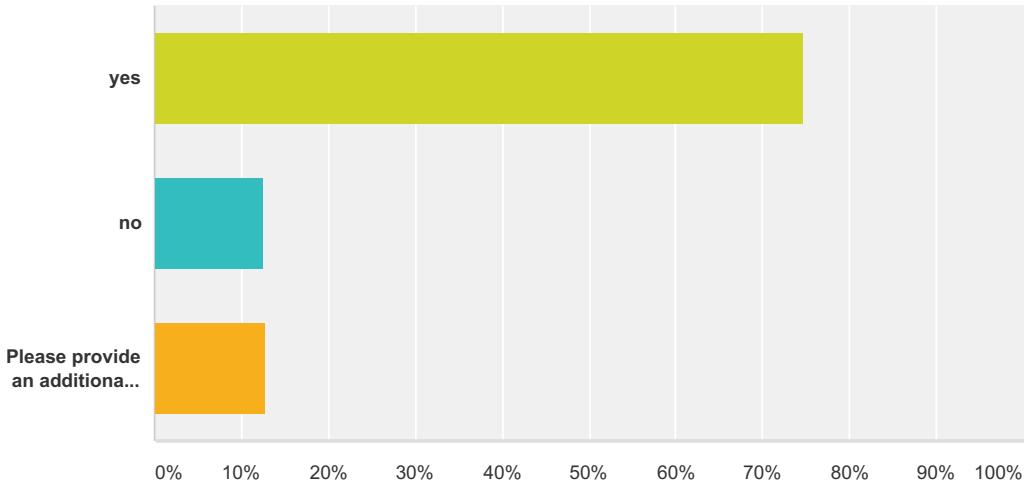
Answered: 413 Skipped: 4



Answer Choices	Responses	
yes	**91.28%**	377
no	**8.72%**	36
Total		**413**

Q10 My access to technology during class time is adequate.

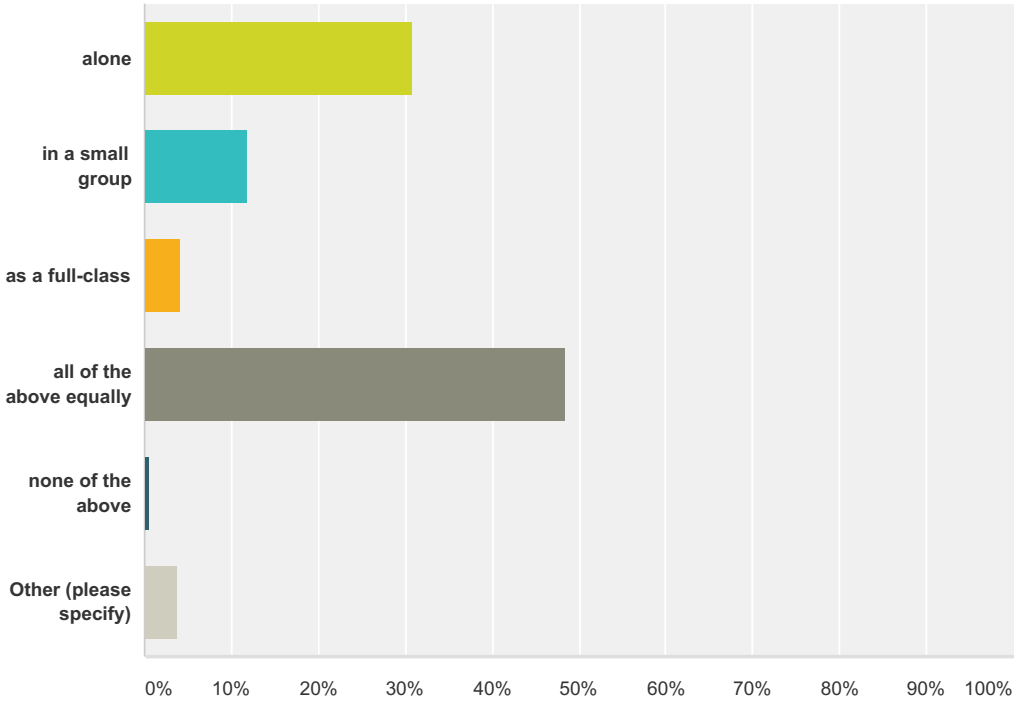
Answered: 415 Skipped: 2



Answer Choices	Responses	
yes	**74.70%**	310
no	**12.53%**	52
Please provide an additional comment if you wish.	**12.77%**	53
Total		**415**

Q11 I use technology at school primarily in the following way.

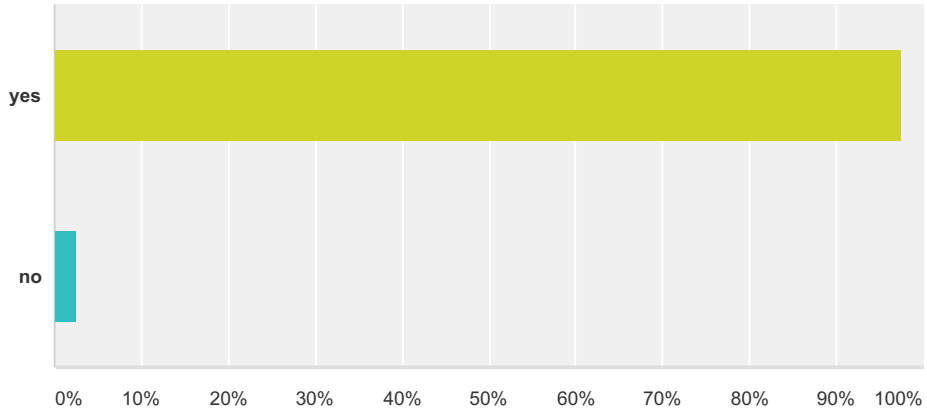
Answered: 417 Skipped: 0



Answer Choices	Responses	
alone	**30.94%**	129
in a small group	**11.99%**	50
as a full-class	**4.08%**	17
all of the above equally	**48.44%**	202
none of the above	**0.72%**	3
Other (please specify)	**3.84%**	16
Total		**417**

Q12 I have access to a computer outside of school (home, library, a friend or relative's house, etc.) for schoolwork.

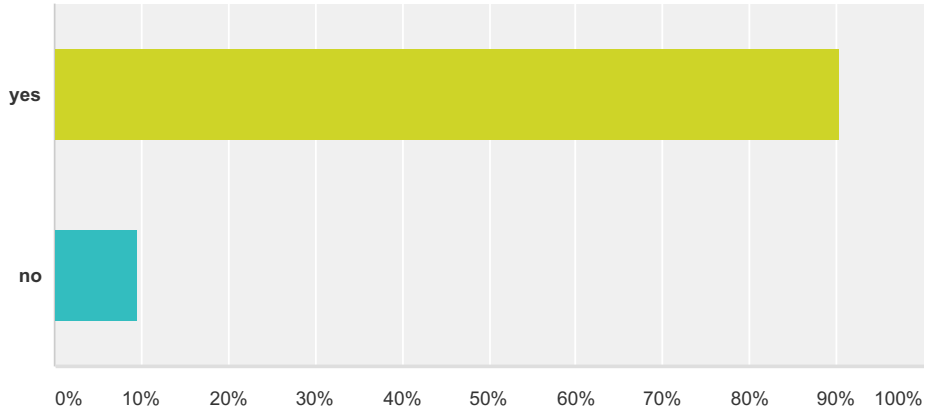
Answered: 414 Skipped: 3



Answer Choices	Responses	
yes	**97.58%**	404
no	**2.42%**	10
Total		**414**

Q13 I frequently use technology (not just computers) for homework.

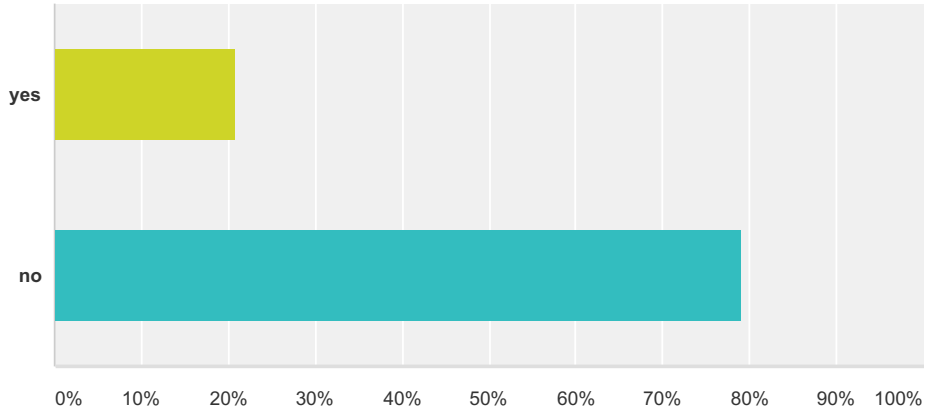
Answered: 415 Skipped: 2



Answer Choices	Responses	
yes	**90.36%**	375
no	**9.64%**	40
Total		**415**

Q14 I have family members who assist me in using technology for school projects.

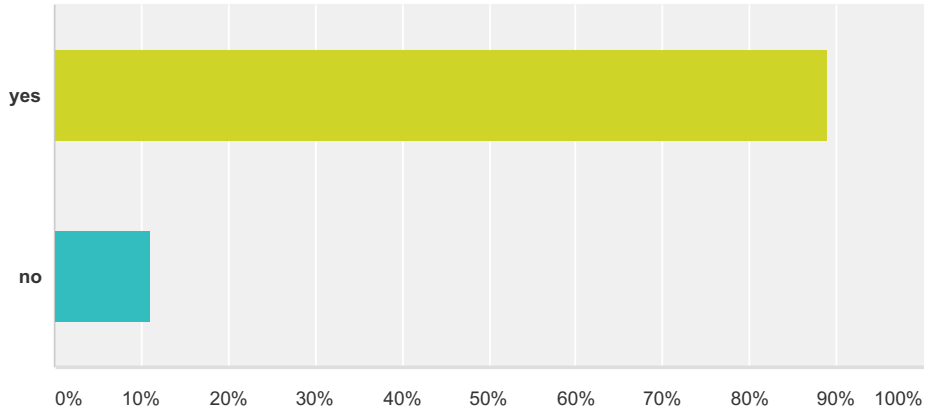
Answered: 415 Skipped: 2



Answer Choices	Responses	
yes	**20.96%**	87
no	**79.04%**	328
Total		**415**

Q15 Access to technology within the schools is critical to the learning experience of the students of UCVTS.

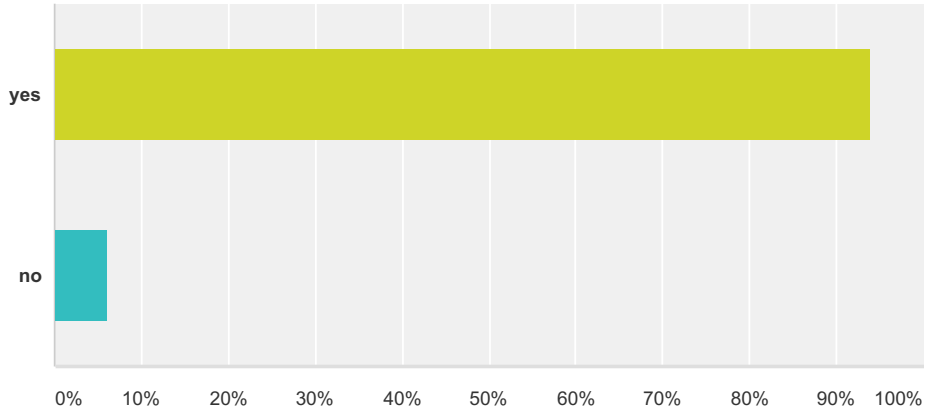
Answered: 414 Skipped: 3



Answer Choices	Responses	
yes	**88.89%**	368
no	**11.11%**	46
Total		**414**

Q16 Do you have a computer in your home?

Answered: 415 Skipped: 2



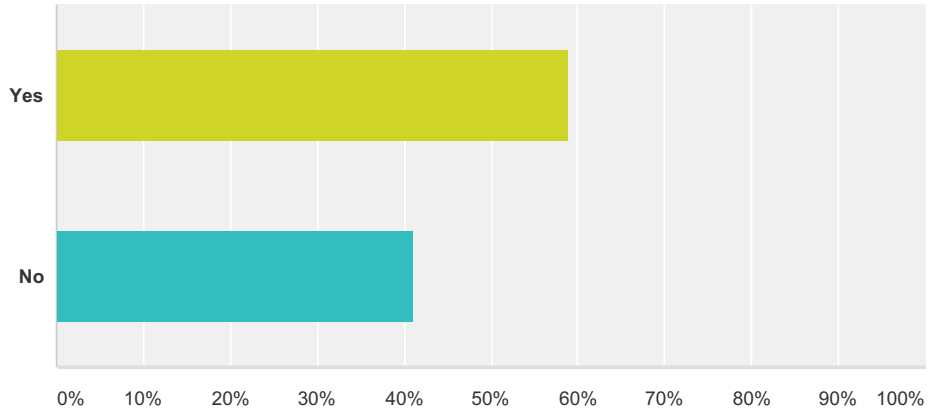
Answer Choices	Responses	
yes	**93.98%**	390
no	**6.02%**	25
Total		**415**

Q17 What would you like to see added to the technology infrastructure that would benefit you and your classmates?

Answered: 308 Skipped: 109

Q18 If a game server was built for LAN gaming during certain hours of the day would you participate in gaming?

Answered: 408 Skipped: 9



Answer Choices	Responses	
Yes	**58.82%**	240
No	**41.18%**	168
Total		**408**

Q19 What do you think the biggest strengths of this network are?

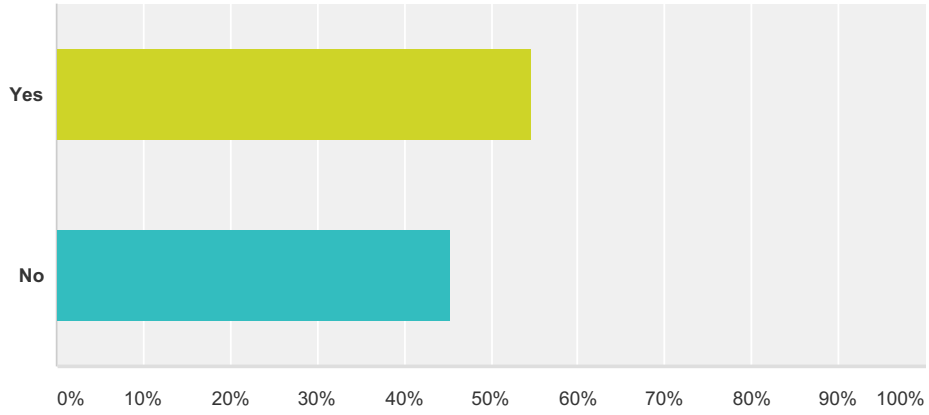
Answered: 285 Skipped: 132

Q20 What do you think the biggest weaknesses of this network are?

Answered: 299 Skipped: 118

Q21 Would you participate in a technology challenge between multiple teams?

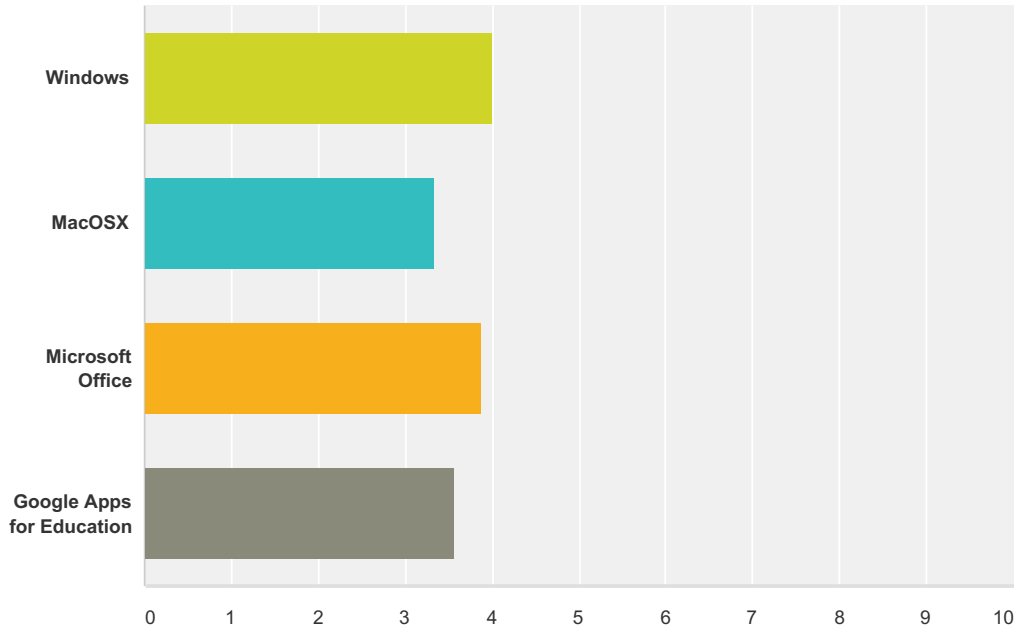
Answered: 402 Skipped: 15



Answer Choices	Responses	
Yes	**54.73%**	220
No	**45.27%**	182
Total		**402**

Q22 Rate the following, with 1 being the worst and 5 being the best.

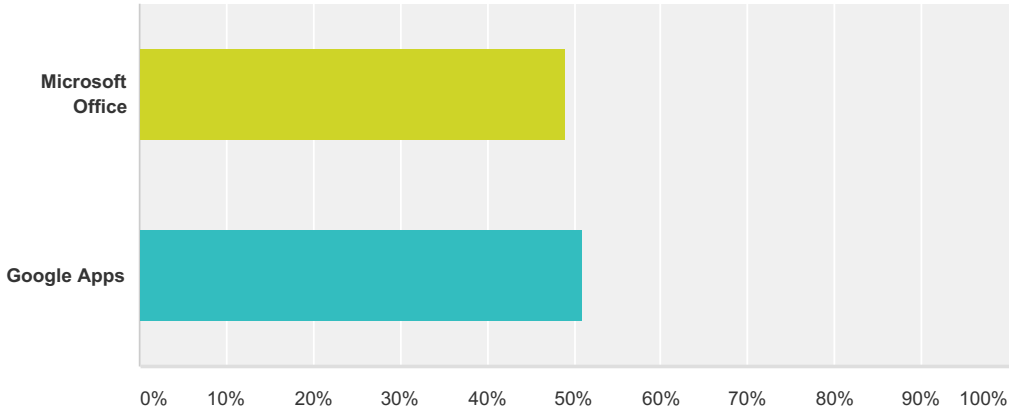
Answered: 405 Skipped: 12



	1	2	3	4	5	Total	Weighted Average
Windows	**5.28%** 21	**3.77%** 15	**17.59%** 70	**32.41%** 129	**40.95%** 163	398	4.00
MacOSX	**11.06%** 44	**15.83%** 63	**23.87%** 95	**25.13%** 100	**24.12%** 96	398	3.35
Microsoft Office	**4.50%** 18	**5.50%** 22	**21.50%** 86	**34.00%** 136	**34.50%** 138	400	3.88
Google Apps for Education	**7.23%** 29	**10.22%** 41	**25.19%** 101	**31.67%** 127	**25.69%** 103	401	3.58

Q23 Which do you prefer?

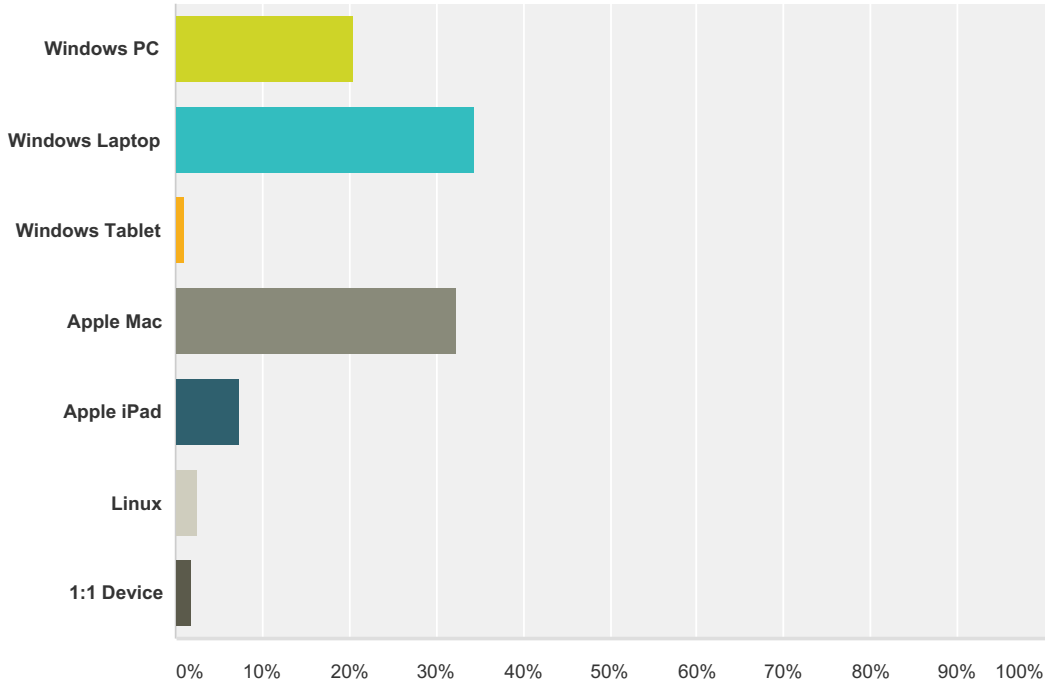
Answered: 408 Skipped: 9



Answer Choices	Responses	
Microsoft Office	**49.02%**	200
Google Apps	**50.98%**	208
Total		**408**

Q24 Which do you prefer for personal use?

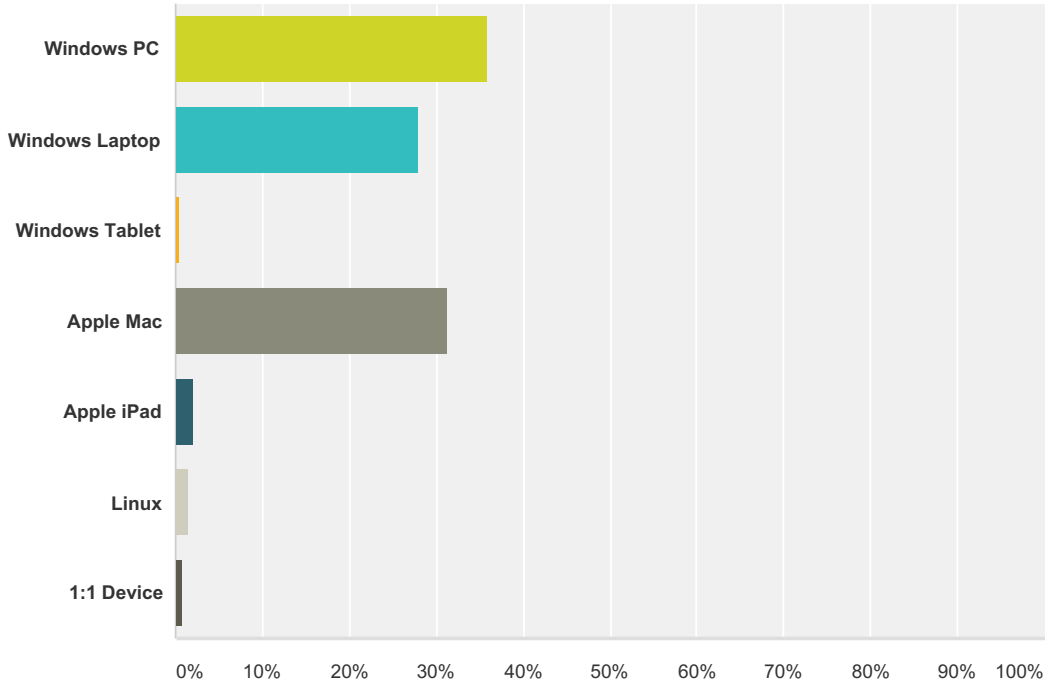
Answered: 406 Skipped: 11



Answer Choices	Responses	
Windows PC	**20.44%**	83
Windows Laptop	**34.48%**	140
Windows Tablet	**0.99%**	4
Apple Mac	**32.27%**	131
Apple iPad	**7.39%**	30
Linux	**2.46%**	10
1:1 Device	**1.97%**	8
Total		**406**

Q25 What do you prefer for professional use?

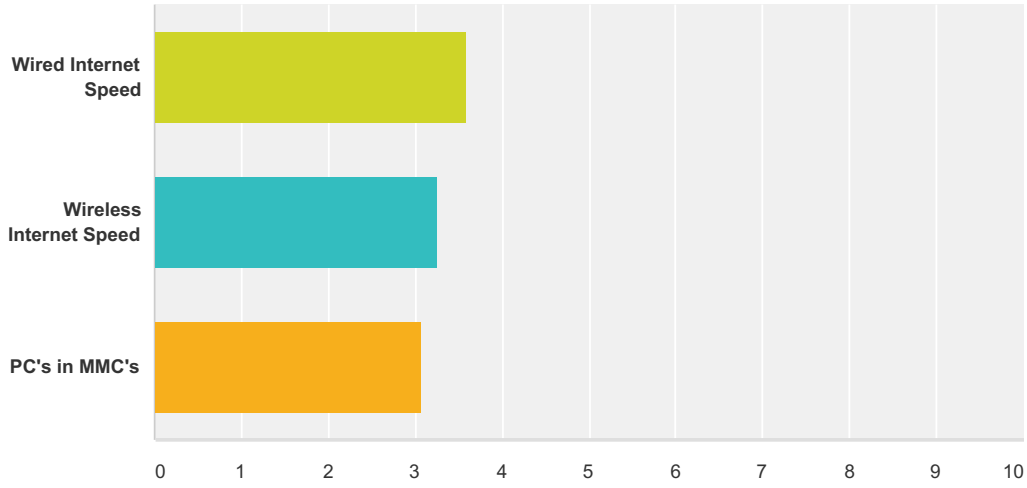
Answered: 403 Skipped: 14



Answer Choices	Responses	
Windows PC	**35.98%**	145
Windows Laptop	**28.04%**	113
Windows Tablet	**0.50%**	2
Apple Mac	**31.27%**	126
Apple iPad	**1.99%**	8
Linux	**1.49%**	6
1:1 Device	**0.74%**	3
Total		**403**

Q26 Rate the quality of the following services, with 1 being the worst and 5 being the best.

Answered: 394 Skipped: 23



	1	2	3	4	5	Total	Weighted Average
Wired Internet Speed	7.99% 31	10.82% 42	22.16% 86	31.70% 123	27.32% 106	388	3.60
Wireless Internet Speed	9.92% 39	15.01% 59	29.26% 115	30.28% 119	15.52% 61	393	3.26
PC's in MMC's	10.82% 42	16.49% 64	35.82% 139	28.35% 110	8.51% 33	388	3.07

Q27 I find that most of the technical problems occur here, please list below.

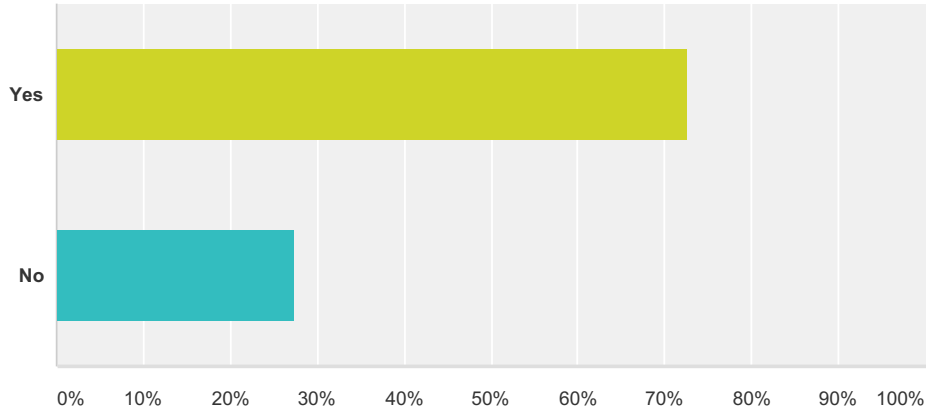
Answered: 276 Skipped: 141

Q28 My most frequent technical problem is, list problem(s) below.

Answered: 286 Skipped: 131

Q29 I store information in the Cloud, ie. iCloud, Carbonite, OneDrive, etc.

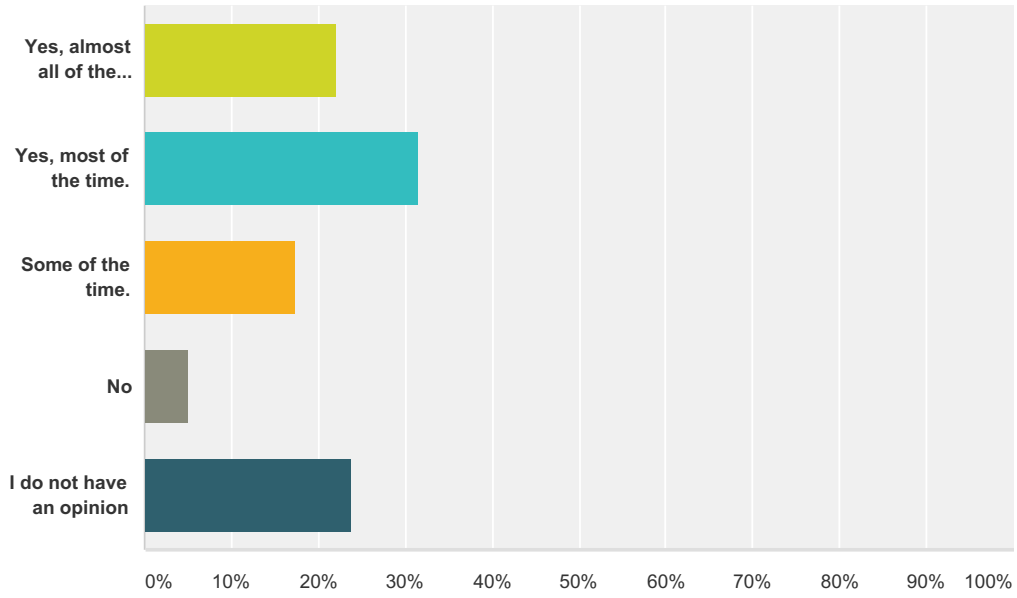
Answered: 405 Skipped: 12



Answer Choices	Responses	
Yes	**72.59%**	294
No	**27.41%**	111
Total		**405**

Q30 Do 1:1 digital devices in the learning environment support student learning?

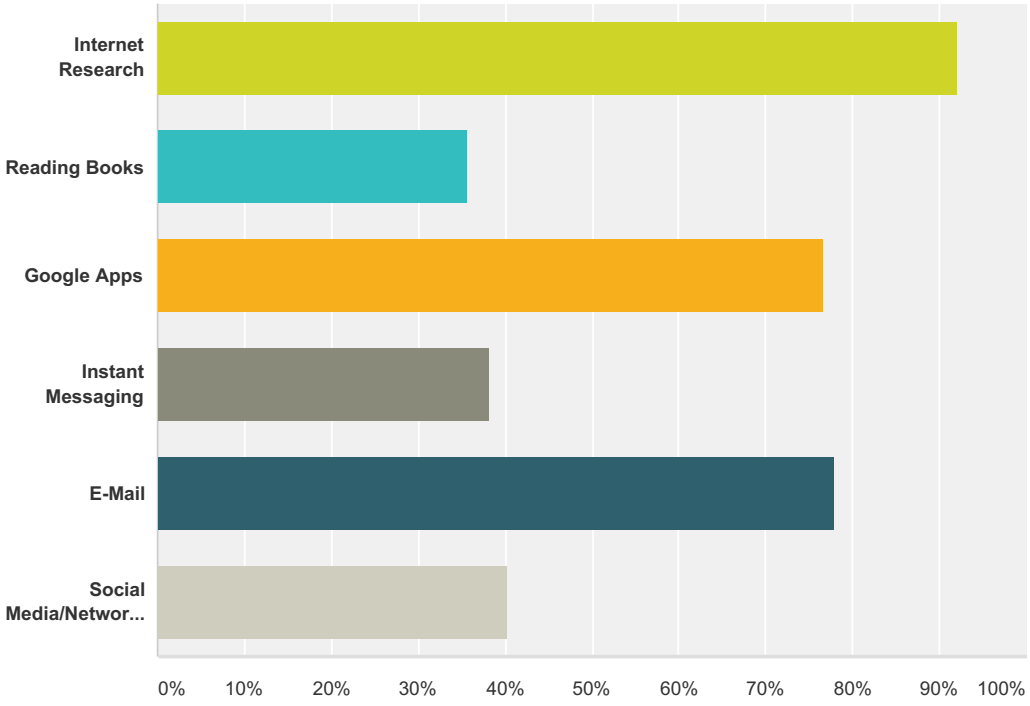
Answered: 402 Skipped: 15



Answer Choices	Responses	
Yes, almost all of the time.	**22.14%**	89
Yes, most of the time.	**31.59%**	127
Some of the time.	**17.41%**	70
No	**4.98%**	20
I do not have an opinion	**23.88%**	96
Total		**402**

Q31 What type of activities do you use your 1:1 devicefor? Check all that apply

Answered: 325 Skipped: 92



Answer Choices	Responses	
Internet Research	**92.00%**	299
Reading Books	**35.69%**	116
Google Apps	**76.62%**	249
Instant Messaging	**38.15%**	124
E-Mail	**77.85%**	253
Social Media/Networking (Facebook, Twitter, etc.)	**40.31%**	131
Total Respondents: 325		