College Students Speak Out: Coding Manual for their Teachers' Use of Computer Technology Adaptech Research Network Montreal Laura King, Mary Jorgensen , Alice Havel, Cristina Vitouchanskaia, Alex Lussier 2015



Coding Rules

N.B. The participant's responses may be broken down into more than one comment, and each one must be coded.

- 1) If a comment refers to "PowerPoint" it should be coded in category # 1 (Presentation Software: PowerPoint). There are two exceptions to this rule: A) If the comment refers to posting 'PowerPoint' notes online, it should be coded in category # 3 (Course
- 2) If it is ambiguous as to whether a comment relates to a problem with the teacher's use of technology or with the performance of the technology itself, the comment should be coded in category # 16 (Performance of Technology at School).
- 3) When there is a comment related to the performance of technology at school, such as "better projectors", the comment should be coded in category # 16 (Performance of Technology at School).
- 4) When the comment refers to using technology at school, it should be coded in category # 15 (Use and Availability of Technology at School). There is an exception to this rule: if it's clear that the comment refers to being allowed to use personal techno
- 5) If a response refers to any features of the course management system other than assignments posted online, course notes posted online, grades posted online, or the submission of assignments online, it should be coded in category # 6 (Course Management
- 6) For blogs: if there is a clear indication that they were used as a communication tool, they should be coded in category # 8 (Online Communication); if the blogs were only used as a platform to share work and if there is no clear indication that they we
- 7)) A comment that refers to 'projection' should be coded in category # 11 (Projection onto large Screen). There are two exceptions to this rule: A) if it refers to a 'video' (e.g. a movie), it should be coded in category # 14 (Videos) and B) if it refer
- 8) A comment that refers to a 'video' (e.g., a movie, documentary, or short clip) should be coded in category # 14 (Videos), unless it refers to videos that were used to teach students how to use technology required for the course in which case it should
- 9) When a comment refers to any form of online communication between students and teachers it should be coded in category # 8 (Online Communication).
- 10) If a comment is unclear or vague or it does not fit into any of the previous 18 categories, it should be coded in category # 19 (Other).

Technology that worked well	Category Name	Category #	Technology that did NOT work well	Suggestions
Simple PowerPoint presentations are	Presentation Software:	1	Using a PowerPoint presentation and sliding quickly	More in class PowerPoint lectures; Do not rely
beneficial as a visual aspect; My teacher	PowerPoint		through them without much time spent on each topic	on note heavy PowerPoints; PowerPoints in
extensively uses PowerPoints; My instructors			did not allow me to sufficiently absorb the material;	more classes would be very useful; I think all
used PowerPoint presentations; Using			PowerPoint class presentations (useless); Prezi; Using	teachers should have PowerPoint
PowerPoint in lectures; PowerPoints to guide			PowerPoint over and over; PowerPoints in which the	presentations that highlight key terms and
the class; My teacher uses so many			slides had been prepared, but the teacher lectured and	that's all; Teachers could also use PowerPoint
PowerPoints and it really keeps me interested			did not change the slides whatsoever; Le professeur	better by including interesting visual
in the subject and captivated; Plusieurs de			donnait des explications avec un PowerPoint, mais il	components, like photos rather than just text;
mes professeurs utilisent PowerPoint, ce qui			était mal fait et confu; Notes on the PowerPoint were	Des PowerPoint plus clairs; PowerPoints moins
est utile et très clair/ et precis; Having			very vague; Notes on the PowerPoint were too	chargés; Encourage teachers to make
PowerPoint presentations (with visual			clustered; The teacher also admitted that her	PowerPoints to teach students; Présenter la
support) during lectures helps me keep track			PowerPoint notes were not the best and that she	matière en se servant d'un PowerPoint au lieu
of what is being said; Having PowerPoint			should look into improving them. We unfortunately	d'écrire au tableau; PowerPoint je suis très
presentations (with visual support) during			never saw a real change in them; PowerPoint in class,	contente; Don't need to use PowerPoints just
lectures also helps with note taking; Using			sometimes the teacher does not seem to know what	to use PowerPoints if slides are useless; I think
PowerPoints for lectures; My teacher teaches			they were teaching; Les présentations magistraux avec	every teacher should give notes on PowerPoint
through the use of PowerPoints and lecture,			des PowerPoints remplis d'information où le professeur	presentations; Use a PowerPoint to elaborate
which really helps me understand the			ne laisse pas le temps de noter ces notes	an idea; Il faut éviter les présentations
material				PowerPoint où le professeur lit ce qui est écrit

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Posting a new assignment online, making it	Course Management	2	Lorsque le professeur met un projet en ligne sans	Attaching all take home assignments
readily available the moment it was posted,	System: Assignments		l'expliquer; Sometimes, receiving instructions for an	electronically even after hard copies have
so I was able to read the specifications as	Posted Online		assignment online can be confusing if the teacher does	been provided; Posting assignments online;
soon as possible; I really like when assignment			not explain it in class first; It is not useful to have	Posting assignment instructions online; Posting
instructions are available online; Posting			assignments posted in First Class because students do	assignments online
assignments on LEA; Posting all assignments			not get notifications of when they are posted, and	
online; Posting assignments online. This helps			therefore it is not easy to keep up with schoolwork;	
me keep track of what is due; My teacher put			One instructor used Moodle rather than LEA to post	
up all of the assignments online which helped			assignments	
those who were absent catch up; Sending and				
uploading precise information and				
instructions on upcoming assignments;				
Posting assignment instructions online; Using				
Omnivox to give assignment instructions				
	Course Management	3	Notes and an MIO and has a great in a good well and the second	Davis and a large state of a section of the section
Un de mes enseignants met toujours ses	Course Management	3	Notes sent on MIO can be annoying and we lose them	PowerPoint class notes posted on Lea; Mettre
notes de cours en ligne ce qui nous permet de	System: Course Notes Posted Online		more easily; Teachers who post notes in PowerPoint	toutes les notes de cours disponibles sur Lea;
pouvoir reviser avant l'examen; PowerPoint	Posted Unline		online, but do not present them in class; Certains	Send notes in advance ; Mettre toutes les
presentations were posted online to be able			professeurs ne nous envoient pas les PowerPoints sur	notes de cours dites en classe sur Léa; Post
to view later, eliminating the need to take			Léa; L'indisponibilité des notes de cours sur le site	notes online; I would like it if more teachers
notes; I really like when instructors put their			Omnivox du Cégep; Les professeurs qui ne mettent pas	used technologies, such as putting class notes
class notes/PowerPoints online so that I can			leurs PowerPoints en ligne; Les notes de cours ne sont	online; Post more course notes online; To post
use them to study for exams, and when I miss			pas toujours publiées sur Lea	all notes taken in class online; If class notes
a class; Posting class notes was very helpful;				would be put online it would be better for
Mon enseignant publie les notes de				students who miss the class; Transmettre
PowerPoint un peu avant le cours; Mon				toutes les notes de cours sur LÉA; Post notes
enseignant publie des PowerPoints avec des				online; Always send online notes; Always send
				PowerPoints of what was seen during class;
trous que nous devons remplir; L'envoi des				_
notes de cours par MIO est excellent pour				PowerPoint class notes posted on Lea; Send
				_

Seeing my grades lets me know how much	Course Management	4	When classes do not post my grade until it is too late it	Post grades online; Les résultats des différents
more I should be focusing on specific classes;	System: Grades Posted		is frustrating to deal with; Grades with no class average;	tests devraient toujours être mis à jour sur
Grades were posted online, giving students a	Online		One of my teachers said that they don't like to use the	Omnivox afin de pouvoir avoir une vue
better idea of their current standing in the			schools websites therefore I don't have access to my	d'ensemble; LEA shouldn't allow teachers to
course; Grades online are a good way to have			grades; My teacher constantly changed their grading	make modifications to the worth of tests so
instant feedback; Posting the grades online;			system on LEA - confusing; Dans la remise de notes,	that there are no arrangements post-factum;
Posting up grades and class averages in			notes manquantes; Dans la remise de notes, notes	Every class should put up their grades as soon
Omnivox; Grading system online has helped			erronées; Wrong ponderation of grades posted on LEA;	as possible; Not putting up grades; More
keep track of my grades; Easy to follow up on			When my instructors do not post my grades up online,	teachers should upload grades; All teachers
my grades, when they are posted online;			it does not benefit me because I do not know how I am	should be required to update grades on Lea,
Putting grades online helps me figure out if			doing percentage wise; When teachers do not use LEA	so that students are able to follow their
I'm doing well in the class; Resultats scolaires			to post the course grades;	progression throughout the semester and
en ligne; Posting grades				know how they are doing
Un de mes enseignants utilise l'internet pour	Course Management	5	No online submission for a certain class; Opening up a	I would like it if more teachers used
que nous puissons lui transmettre nos devoirs	System: Submission Of		conference / forum so that we can post our	technologies such as submission of work
en ligne; Submission of assignments online via	Assignments Online		assignments; Online web assignments; En exigeant la	online; Online assignments are always better
Lea; Easier to submit assignments through			remise en ligne d'un travail; Remise de travaux par	because they are quicker to complete than
Lea; I love being able to submit assignments			courriel; Travail à remettre sur omnivox; Moodle	written assignments; I really appreciate when
online rather than in class; L'envoi de nos			assignment online submissions; Submitting assignments	I
travaux par moil ainsi on n'a pas à se déplacer			online	Submitting things online is much quicker and
au Cégep seulement pour la remise d'un				more convenient; Teachers should have the
travail; Submitting assignments online worked				same policies in terms of how we should
very well for me, as the time and date of				submit papers
submission is indicated				

Online resources are always welcome; Useful information posted in LEA is always welcome; Practice questions; Mon enseignant utilise FirstClass; Mon enseignant utilise la plateforme LEA pour nous faire parvenir plusieurs informations; My teacher made practice guizzes available to do online; My teacher made practice exercises available to do online; Using omnivox, allows me to keep track of when assignments are due; Consulter les horaires des professeurs; Consulter les changements ou annonces des professeurs; Study guides; We tend to misplace papers, having every document posted in Omnivox, not only helps save paper, but if a student loses a paper they can always find it online; When teachers post the documents that are needed online so that we can download them if we need to

Course Management System: Features* (includes due dates, calendar, on-line practice + exercises, study guides..) (Other than Assignments, **Notes and Grades** posted online, and submission of assignments online)

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Late uploaded outline; Having one teacher who uses Moodle, while the rest use omnivox; My teachers would sometimes send websites, which I never even opened; One of my teachers said that they do not like to use the school's websites therefore I don't have access to my absences; When teachers create their own system); Exercises uploaded to practice; Online website or use technologies other than omnivox and Moodle, this is not helpful at all. It is difficult to keep track of work when I have to look at different websites all the time: Mon enseignant utilise First Class et Lea. nous ne savons donc pas quelle information trouver où that we have a mistake and what that mistake et ça devient mélangeant; Not all documents are posted was; L'utilisation d'une seule plateforme par online; The calendar function mostly because I never really noticed it; Wrong date of exam or quiz listed on the EVENT section of LEA; Moodle; Calendrier de travaux (info qui manquait); Not putting up a link to a video that we watched in class; Most of my teachers do not post absences; All the students were confused and fed up, as my teacher did not want to cooperate and use Lea; Posting assignments in the calendar is very messy

I would like it if more teachers used technologies, such as online course announcements (for example notification of a project submission date approaching or exam dates using the Omnivox announcement practice questions that provide step by step solutions; Online practice quizzes that provide full explanation; Setting up practice quizzes and exercises online that will tell us right away tous les enseignants, ainsi il n'y a qu'un endroit pour toutes les notes, tous les résultats, etc; Create a calendar online: Fuse moodle and LEA, or use only one for all classes; Put a digital version of documents online; All course calendars posted online; Have all course material accessible online; Post everything done in class online; Activités culturelles du Cégep au calendrier sur Omnivox; Il serait mieux de faciliter le site de moodle, on dirait qu'il est compliqué à utiliser

				Tan ar a ray or constraint
Mon enseignant nous laisse suivre sur un	Allowing Personal Use	7	When personal computers are allowed in class it is a	Allow the students the option of using their
ordinateur portable; Me laisser utiliser mon	of Technology in Class		distraction for me	personal technologies for note taking; If all
portable; Some teachers allowed us to take				teachers could allow us to use laptops to take
notes in class using a laptop				notes in class; Allowing students to use their
				technologies in class; Being allowed to use
				computers in class to take notes would be
				nice; Les professeurs ne devraient pas avoir
				peur des téléphones intelligents.lls peuvent
				permettre aux étudiants de vérifier des
				informations ou de chercher des définitions
				pour contribuer à la discussion de groupe et
				améliorer leur compréhension personelle;
				Allowing the use of tablets and laptops;
				Phones to record teacher speeches to look
				back on; Permettre l'utilisation d'appareils
				electroniques pour la prise de note en classe;
				More teachers should let us use our
				cellphones in class; More teachers should let
				us use our tablets / computers in class;
				L'utilisation de nos technologies; Allow use of
				electronic dictionary in class; Allow the use of
				cell phones for note taking
				cen priories for flote taking
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My teacher has an online classroom where students can chat between themselves if they have questions they might be too shy to ask in person or don't know anyone in class; Video conferencing for French class so we didn't have to come in to school; By having group discussions on the Forum; Using Omnivox allows me to be able to contact my teacher; Group work online; Had a class with a discussion forum: The discussion forum was so useful to get to know other students' opinions on varying topics; Conférence vidéo avec un cours en Belgique; On utilise Quip, c'est une application-site internet avec laquelle on peut chatter en ligne avec n'importe qui; Made groups work online; By emailing my teacher, they were able to promptly respond and answer any questions I had about the material on an assignment

Online Communication

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Not responding to MIO's or emails; Not responding to MIOs or emails in an unbeneficial way made me too reliant on emails causing problems; Office hours conducted via Skype are useless to me; I never used the Group chats where classmates can discuss with virtual office hours because I did not find the need to. I preferred seeing my teacher in person; Online chat rooms are helpful, but not as much; Online chat rooms are a hassle to me; When the teacher doesn't respond to email; Using blogs as a way of discussion for the class; Utiliser twitter pour faire un devoir; Utiliser des réseaux sociaux tels que Facebook; Il y a trop de moyens de communication, facebook, mio, courriel, twitter; Il y a trop de moyens de communication, un moment donné on perd notre temps à verifier tous les systèmes pour trouver les messages; Courriel; Parfois lorsqu'on envoie des MIO aux professeurs, ils les regardent mais ne répondent pas; Facebook n'a pas été devraient donner des disponibilités virtuelles utile pour moi lorsque mon professeur a tenté l'expérience; One teacher insisted on contacting the class by email, which didn't work well because I check

that less often than I do my MIO; I find doing group

do not have a real time response from your peers:

your group mates don't use Facebook or other social media; Got a lot of annoying e-mails; Online discussions

via Lea didn't work well for me

Classroom instant messaging group to know about everything in the class; Group chats where classmates can talk to each other; teachers; Instant contact to teacher during a certain set time period (like office hours online); Online chats in real-time with other students at specific times; Online chats in realtime with teachers at specific times; If the teacher created a chat room and/or virtual office hours; Plus d'heures de disponibilité en ligne; Facebook; Ne pas utiliser des réseaux sociaux puisque certains étudiants n'en n'ont pas; Peut-être avoir un genre de forum des question et que le prof soit en ligne pendant une période préétablie: Les professeurs pour nous accomoder; Promote classmate interactions; Teachers should have more convenient ways to be reached other than Mio; To acquire information faster, sending work in an online discussion forum very difficult, as you lemails with small questions rather than going to office hours; Using more discussion forums Group work online mostly doesn't work. When some of could be very interesting

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Online textbooks are a great way to study;	Digital Textbooks and	9		It would be great if the class textbooks were
With online textbooks, we can search for	Publisher's Supporting		faire des devoirs à chaque semaine; The use of online	always available in ebook form, meaning that I
specific words within the textbook by typing it	Material		textbooks is somewhat tedious; I am not a big fan of	couldn't lose the book and could use in in
in instead of having to search for it through			reading electronic books; Online textbooks are quite	multiple ways. It is also useful as you are able
an actual hardcover textbook; With online			annoying, and harder to use; Online books do not work	to search for keywords throughout the
textbooks, you can also copy and paste			for me because I need something to take notes in and	textbooks; Online Textbooks for ALL classes.
important parts; With online textbooks, you			highlight; I cannot concentrate with E-books; E-reader	They are also less expensive; Use of online
can also create study documents which has			(les livres en ligne); It hasn't worked well for me when	textbooks; Teachers should not force students
more advantages than highlighting text in a			teachers asked us to buy and use digital textbook;	to purchase digital textbooks; Have both a
book and writing it down; With online text			Online textbooks make me dizzy; My teacher posted	hard copy of a book and the digital copy so
books, you can study on the bus, metro or			the textbook online and it was not effective when it	that the students have a choice; Purchase e-
train by simply pulling out my phone and			came to studying; Les livres électroniques après de	book for textbook; Utilisation de livres
having access to all my notes; Practice			longues périodes à lire sur l'écran, pas confortable	numériques, beaucoup moins lourds pour le
questions using a website affiliated with our				dos
textbook called Aplia				
Online quizzes; Online exams are less stressful	Online Testing	10	Online quizzes were difficult to learn from when	Online tests; Ne pas avoir à faire des quiz en
I find; in-class quizzes online; Moodle quizzes			mistakes occurred; My teacher had certain quizzes that	•
used in class; Les quiz sur internet; Test			needed to be completed online with the help of	; Au lieu de faire les mini-tests en classe,
Moodle; Consulter les quiz en math; Test en			different websites. It was quite confusing switching	utiliser plutôt les Moodles; Do in class quizzes
ligne; My teacher assigns all quizzes online			back and forth; The use of online tests is unrewarding;	that don't mark automatically
which is easier for students who cannot			The use of online tests does not facilitate learning;	
attend the class to still complete the work; My			Online Moodle quizzes; Online quizzes are complicated;	
teacher put up her quizzes online which			Online quizzes are time consuming; Online tests; Online	
helped us complete work easier; Online quiz;			quizzes; Quiz sur Moodle; Le quiz sur un site qui avait	
Quiz sommatif en ligne; Des minis quiz en			un bogue; Utilisation d'internet pour des tests-quiz;	
ligne; Netquiz			Quiz à faire en ligne sur "Moodle"; Quiz en ligne	
I				

My instructor used simulations of physical	Projection onto large	11	Les notes projetées par un projecteur; Teacher who	Utiliser le logiciel CMAP et ses cartes
phenomenon; Utilisation de videoprojecteurs;	Screen		used the projector to give notes; Projectors do not	conceptuelles pour enseigner et pour faire les
It is very helpful to have some visual			work very well for me. They are often displayed as	travaux personnels; Utilisation
technologies to support the course material;			blurry images up on the board and teachers scribble on	d'organigrammes et de schémas récapitulatifs
One of my instructors used virtual			them and make it even less clear; Projecteur; En	de la matière; When instructors explain some
experiments to help me to understand some			mettant les notes de cours sur un projecteur; Teachers	things that is the more abstract or something
physics experiments; Dans le cadre du cours			would show all the class notes on the projector; Les	not easily observed, they may use some
d'initiation a l'informatique, on nous			exemples que certains professeurs veulent projeter ne	technologies, such as, multimedia, virtual
présentait a l'aide d'un projecteur le contenu			sont pas très visibles et pas très clairs; The projectors	experiments and mind mapping- concept
qu'on devait voir durant le cours; L'utilisation			are not useful for when we have to copy notes from the	mapping / graphic organizer; Faire des
de schémas interactifs par certains de mes			projector	simulations; Teachers should use virtual
professeurs, m'a permis de mieux saisir				experiments and demonstrations more often
certains enjeux; L'utilisation d'un				to help overcome conceptual barriers; If all
vidéoprojecteur vient appuyer les propos du				notes that are pre-written by the teacher are
professeur; cMap tools,; Utiliser le projecteur;				presented on the projector; Projection des
On utilise le videoprojecteur en classe très				images; Meilleur soutien informatique visuel
souvent pour que tout le monde puisse voir				
nos photos; Many of my teachers used				
projectors in order to go over individual work				
as a group; Presentations are much clearer				
when presented on a projector; Utilisation de				
sites démontrant des simulations; My teacher				
uses an iPad that he connects to a TV screen				
to show us examples of past projects; Using a				
projector; L'utilisation des projecteurs pour				
les cours				

My teacher uses smart boards in order to get	ı
us to work together on problems; Using the	
Smart Board; Un de mes professeurs a déjà	
utilisé le Smart Board; Il utilise aussi le "Smart	
Board" pour ajouter des notes; Il utilise aussi	
le "Smart Board" pour donner des exemples;	
Smart boards are effective for group work;	
Smart board rooms are helpful for in class	
work; My teacher used the Smart Board notes	
to effectively teach; Use of a smart Board to	
show problems and solutions, providing clear	
visuals	

Interactive White Board: Smart Board

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Smart Board didn't help me when studying at home; Smart Board is so bad, I could not focus when working on that thing; I do not like to be forced to learn by myself using only smart boards; Smart boards are not that fun to use; Smart boards are not that helpful; Le Smart Board a des fonctionalités qui ne sont pas utiles; Le Smart Board a des fonctionalités qui compliquent la vie, prennent trop de temps; One of my instructors used the smart board, but it confused me to take some | électronique; L'utilisation du smart board; notes; Pre-written (handwritten) almost illegible notes on the Smart Board

Having notes on a Smart Board is better than a black board because the writing is easier to comprehend; More substantial notes in the Smart Board rooms, rather than just exercises and examples; There can be more SmartBoards installed in classrooms; L'utilisation des tableaux intelligents serait captivante; Des tableaux interactifs; Tableau Tableau blanc interactif; Increase SmartBoard usage; Use of SmartBoards for group exercises; Utiliser les tableaux interactifs pour écrire ou autre

My teacher had an interactive online class
with a messaging board and they taught
through their webcam, This was very efficient
as it allowed us to learn comfortably from
home rather than going all the way to school;
My first semester teacher had one of her
classes per week online, which included
notes, questions to answer and a small
assignment, I found this to be a very effective
teaching method as I learned far better this
way; Le professeur a fait un sondage sur nos
connaissances avec un toll et c'était
confidentiel

Teacher's Knowledge and Use of Technology

13

When the teacher is incapable of using basic technology; Mon enseignant n'avait aucune connaissance informatique; Some instructors cannot teach properly when using technologies because they are uncomfortable; Because the instructors are uncomfortable using technology they spend more time have a basic understanding of how a projector trying to operate the technologies instead of lecturing; One teacher used the old-fashioned light projectors, which use the clear pieces of paper instead of a digital projector; When the teacher NEVER prints a document. used and the lectures / interactions. The It makes it difficult for me to learn; Teachers should only use technology if they know how; My teacher would use an old school projector; My teacher would post links on Lea of various videos we had to watch, and often certain links did not work: Un de mes professeurs a déjà utilisé Word pour une présentation (comme PowerPoint, mais là c'est Word), c'etait écrit très petit, j'étais en arrière je ne voyais rien; Quelques enseignants n'utilisent tout simplement pas les technologies et c'est beaucoup plus difficile de rester à jour; When the instructor doesn't know how to use a computer in the class; Mauvais format de document transmis sur le net, donc impossible d'ouvrir les fichiers; computers; Make sure the teachers know how Nothing electronic was used by one of my teachers. It made the course incredibly difficult; Some teachers rely afraid to block internet access when they too much on technology, interfering with class and preventing it from going any further

Teach the teachers how to use SmartBoards more effectively; It would help if some of the teachers would be more proficient in setting up certain machines and functions on the computers; Make sure that all the teachers works; Mettre aussi disponible des versions papier et pas seulement informatisées; There should be a balance between the technologies classes should not revolve around technologies, as they can often be distracting; A small 101 course for teachers who are not used to using a computer, given by the Cegep's tech support; La technologie devrait servir d'appui et ne devrait pas être la base du cours; Technology should be an aid to teaching, rather than replacing my teacher: If teachers would have instructional courses to learn how technology works; It would help if some teachers would be more proficient in setting up certain machines and functions on the the technology works; Teachers should not be notice students wondering off towards Facebook

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Un de mes enseignants utilise la technologie	Videos	14	Very long documentaries. Shown over the span of	Using small videos for language learning;
par exemple des vidéos pour diversifier ses			several consecutive classes. Very boring; Movies; Film	Showing videos that are not too long in class;
méthodes d'enseignement; We watched			long; When a teacher tries to teach a class with only	Vidéos prises sur YouTube, comme ça facile
movies during class; Showing a YouTube video			video examples; Pour des documentaires de plus de 50	d'accès; Plus de vidéos; Utiliser des vidéos
in class; Using videos in class to explain topics;			minutes; Video présenté qui contenait des erreurs; Les	pour appuyer une explication; Providing more
Showing documentaries from the 1970s on a			vieux films en noir et blanc ne captent pas mon	videos as illustrations; Videos; Montrer des
projector. This allowed for me to watch old			attention	extraits de film et non l'entièreté de celui-ci;
material on a newer medium and was				Show more videos of examples of whatever
enjoyable and beneficial to my learning; My				the teacher is teaching; More videos shown in
teacher uses audio-visual media to explain the				class; Des courts vidéos en lien avec les
subject off their class. I find this much easier				notions en classe pour capter l'attention;
to follow; My teachers sometimes show us				Diffusion de documentaires; Présentation de
movies, videos etc. in class using the projector				vidéos pédagogiques; Watching movies
The use of technologies to complete in class	Use and Availability of	15	I don't like having classes in the computer lab; In-class	Il manque de prises pour pouvoir connecter
labs and assignments; Writing assignments on	Technology at School		individual computer labs; J'ai eu un cours dans un labo	nos ordinateurs portables; Having more wall
the computer during class; When my teacher			informatique alors que ce n'était pas nécessaire; Using	plugs in class; Having more wall plugs in the
had the students use Audify to edit the			a clicker went too fast; Utiliser excel pour faire des	library; More printers around school would be
interviews we recorded with important			tableaux lors d'un travail de session; Utilisation de SPSS;	great; Accès au labo informatique en cours
people; Using a computer lab when we had a			Mon professeur a utilisé les ordinateurs pour que nous	pour écrire des brouillons et des essais; Usage
lot of writing to do, it makes things go faster;			puissions faire un examen; Utiliser des ordinateurs en	of computer labs for language programs; More
Utilisation du logiciel Loadlink; Utilisation du			classe en tant qu'outils pour le cours; Putting people in	programs offered to student who need them;
logiciel PC miler en itinéraire; Mon professeur			labs with computers that have internet access; I find it	It would also be helpful if the wifi is more
a utilisé le laboratoire informatique spécialisé			distracting to work in a computer lab and am not very	accessible for phones and tablets; Plus
(de langues); By using computers for editing;			productive	d'ordinateurs disponibles à la bibliothèque;
Nous faisions des sondages en classe avec des				Mettre plus de technologies dans les classes;
petites manettes afin de nous preparer au				Favoriser certains logiciels qui peuvent être
test				utiles pour apprendre; Plus de laboratoires

No comments provided	Performance of	16	Aplia est incompréhensible et ne représente	Wifi is more accessible and efficient; Des
	Technology at School		aucunement ce qu'il enseigne en classe; Wi-Fi	projecteurs de meilleure qualité; Le Wi-Fi a
			bandwidth could be improved; Les ordinateurs au	souvent des problèmes ce qui est frustrant;
			laboratoire informatique ne se lèvent pas (ne sortent	The wifi system requires improvement; The
			pas de la table), donc tu dois changer de place, et ça	computer system in the labs requires
			dérange tout le monde et en même temps ça te	improvements; The new internal server sucks
			dérange toi; Mastering physics is the worst application	big time for students; The wifi needs to
			ever; Technologies do not work well interfering with	improve greatly; The wifi was horrible; When
			class; No sounds from the video; Video unable to	there were problems with the "online
			upload; Some of the systems were running very slow;	classroom" Adobe connect, the speakers did
			The assignment section of Lea never worked; Takes a	not work; The webcam was frozen; Computers
			long time to open the computer; Un vidéo avec un	very slow in BASA room or in classrooms;
			mauvais son; Un visionnement d'un vidéo impossible à	Better software leases; It would also be helpful
			cause de la connexion internet; Une mauvaise	if the wifi is more efficient for phones and
			projection des notes de cours à cause d'un mauvais	tablets; Remplacer tout par des machines
			projecteur; Certains sites internet sont bloqués par le	encore plus performantes; Une amélioration
			cégep. Quand le professeur a une démonstration - un	du portail Omnivox; Faster systems
			schéma interactif - (les trucs qui demandent d'utiliser	
			Flash player) ça ne fonctionne pas toujours	

Giving us links to tutorials to use necessary software; My teacher really goes in depth about how to use excel and it has really helped me; Learning excel; Learning other software; My teacher explained how to use the Excel functions; My instructor taught us to use excel, which will be forever useful; My teacher showed us exactly how the sum calculates the area of a graph; My teacher has really shown us how to use Excel; My teacher has also taught us the shortcuts in Excel to calculate certain formulas, such as the median and the standard deviation; MS-Project tutorials; Autodesk tutorials; Excel tutorials; On m'a appris à utiliser le site de la bourse de Toronto; Le professeur explique bien les programmes que nous devons utiliser et le tout fonctionne à merveille	Teach Students how to Use Required Technology	17	material quickly where teacher expects students to do so; I did not feel like the teacher was particularly helpful, as they hardly explained the way to use certain programs; Mal montrer Access; Teaching us about how to use the Dawson college online library. We had to follow along on a computer and I got completely lost; Using Excel without explaining it in class; When the teachers expect us to know how everything works; Travaux à faire sur des logiciels dont je ne connais pas le fonctionnement et dont le fonctionnement n'a pas été expliqué	ne sont pas confortables avec la technologie; Il serait important que les professeurs expliquent comment utiliser les nouveaux
The only advantage of creating a blog is being able to see other student's blogs (which showed their work); My teacher's use of Dropbox; We used Google docs to share the work with the teacher; Online blogs-sharing class forums; Dropbox used in research methods class; On utilise Quip, c'est une application-site internet avec laquelle on peut partager des documents; Creating blogs to post our assignments	Sharing Work Online	18	blog and put the work we did in the course on the blog;	projects; Utiliser plus souvent google drive

My teacher's online class is also beneficial, in	Other	19	Malheureusement, nos devoirs sur un logiciel compte	A program where students that can't afford a
order to be able to partake in the e-class, you			pour 30% et cela fait baisser la moyenne de la classe;	laptop and need one for their program can be
must read the textbook to answer the			Lectures with long calculations; Our teacher last	procured one at minimal cost or even rent
questions; My teacher had one of their			semester failed to use online class properly; Software	one; An explanation from a different source
classes per week online; Discussing lectures			licence ran out half was trhough the year, could not	can help clear things up; Use more language
for more clarity; My teacher used MLA			take my work home; online class; online creation of	tools; Record classes (voice or video) and post
standard as reference for students in writing;			charts; Examples; The instructor gave us information to	online; Lessen work that requires the internet
Doing labs in every class to get participation			read throughout the week; Interactive program for a	in general; Allow us to listen to music during
points; Cours en ligne; J'ai appris les			map. It was like a game	tests; Teachers should have a limited amount
techniques de recheche sur differents sites;				of content they can show in class; Online
J'ai appris comment trouver les bonnes				surveys about what we like; L'acces au serveur
sources; Un de mes professeurs nous a fait				du cegep depuis notre domicile; iPad; Utiliser
écouter et chanter l'alphabet pour faciliter				un plus large panel d'outils informatiques pour
notre apprentissage; Classe inversée				permettre une compréhension optimale;
				Favoriser programme d'apprentissage en ligne;
				So far everything is good as long as we
				understand how to use the technologies; More
				examples; No suggestions, they work out
				great; Bloquer les sites qui portent à distraire;
				OneNote; Logiciels de comptabilité