



LanSchool Teacher Starter Guide

LanSchool is the original Classroom Management tool for PC, Mac, iPad, Android and Chromebooks.

By using LanSchool, you can direct the classroom as you desire through a powerful array of controls and restrictions. By getting Student more proactively involved and eliminating typical distractions, LanSchool promotes increased levels of Student focus, engagement and class participation, while allowing you to teach the way you want as per your lesson plan.

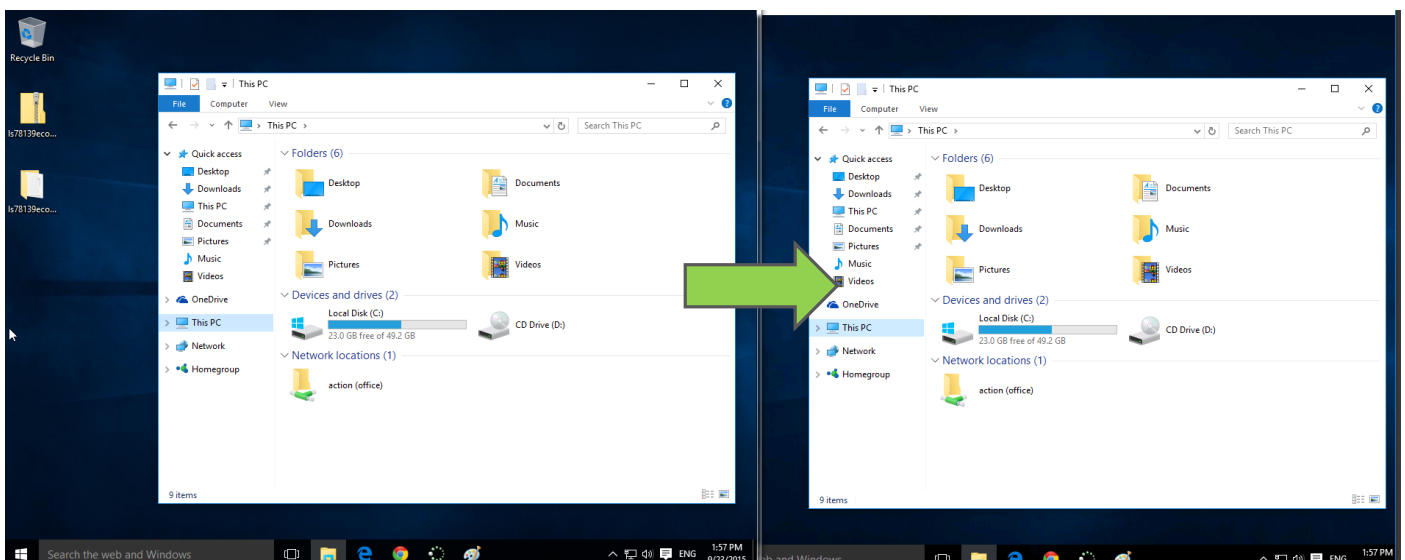
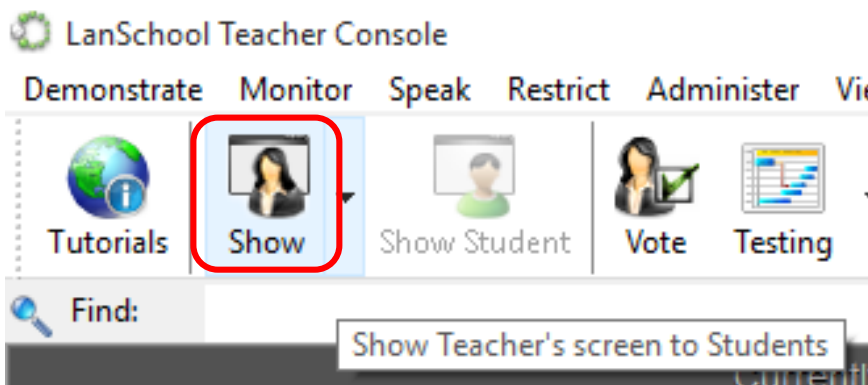
Requires:

- LanSchool Teacher Console
- LanSchool Student Desktop Client (optional)
- LanSchool Student Mobile Client (optional)

Screen Broadcasting – Show Teacher (full-screen)

Allows you to demonstrate your own desktop in full-screen; activity is broadcast 1:1 with the Student machines. During this, the Student machine is locked down (indicated by a 'glassy' border around the edges of the screen) and does not respond to keyboard or mouse inputs.

This can be used when a Teacher wants to demonstrate a concept without users getting distracted (e.g. during a presentation).



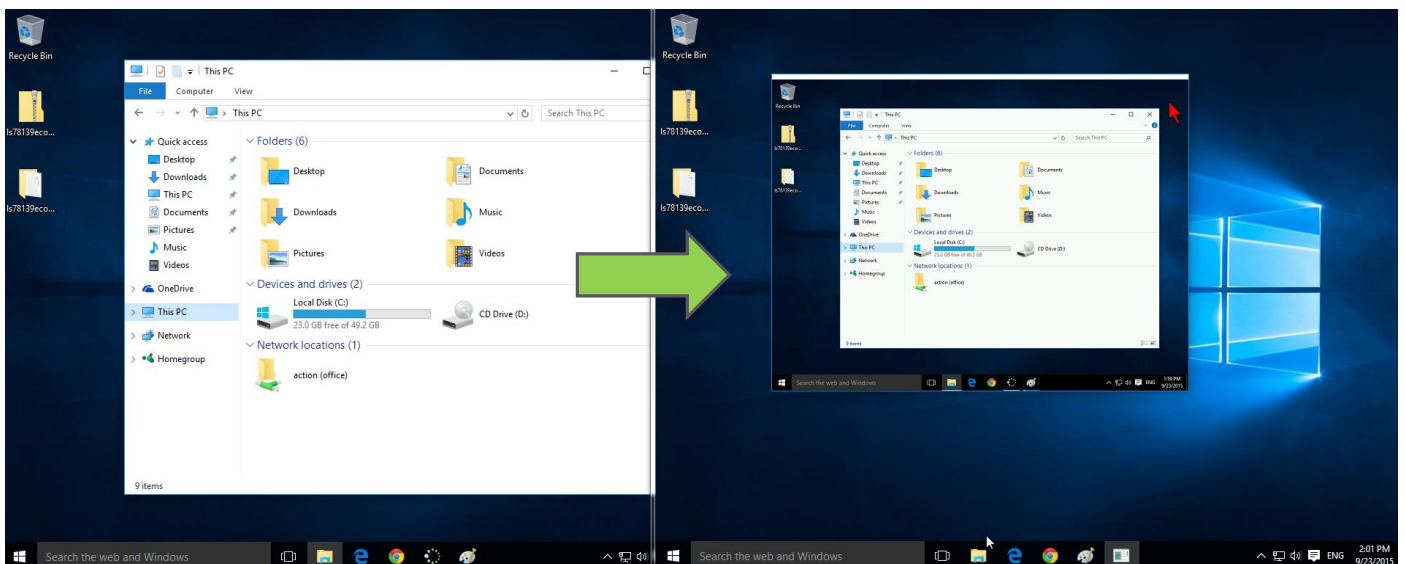
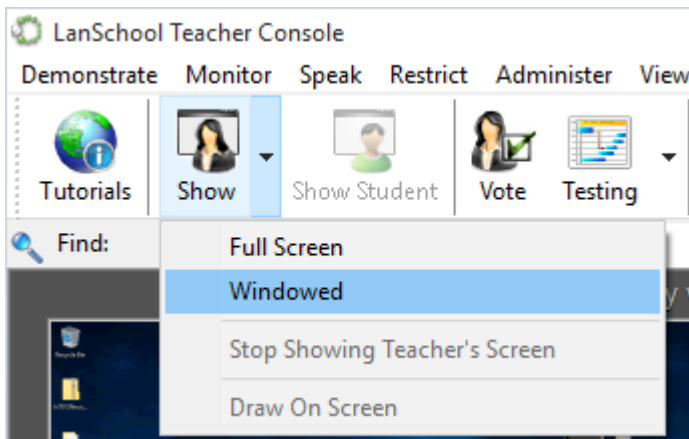
LanSchool Teacher Console

LanSchool Student Client

Screen Broadcasting – Show Teacher (picture-in-picture)

As above, only the Teacher screen on the Student desktop is windowed and can be moved/resized by the Student (window always 'on top').

This is used when a Teacher wants to demonstrate a concept where users can 'work along' with the Teacher (e.g. programming a function in Scratch).



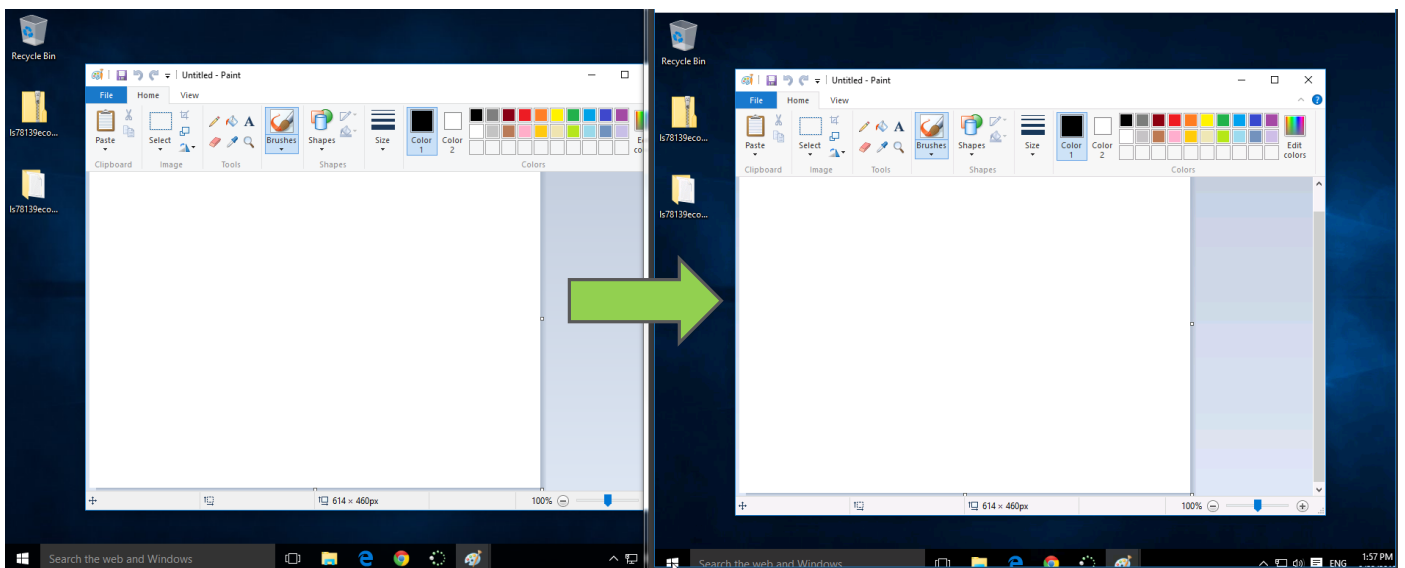
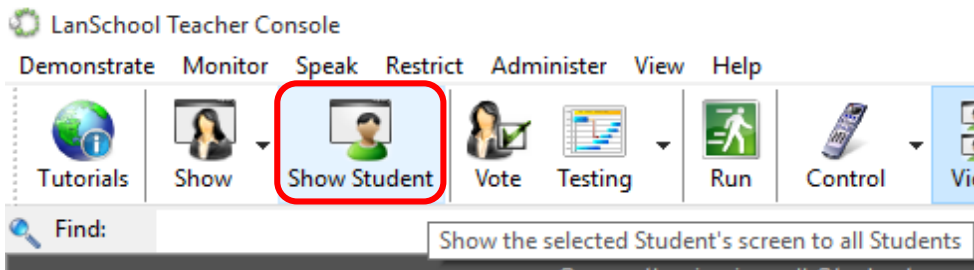
LanSchool Teacher Console

LanSchool Student Client

Screen Broadcasting – Show Student (full-screen)

As above, only the Teacher nominates a Student from the class and broadcasts their screen out to the other Students, allowing them to present or demonstrate to the rest of the class.

This is used to allow students to present their work, encourage peer-to-peer learning, or to allow a Student to lead the class briefly if you need to step out of the room for a moment.

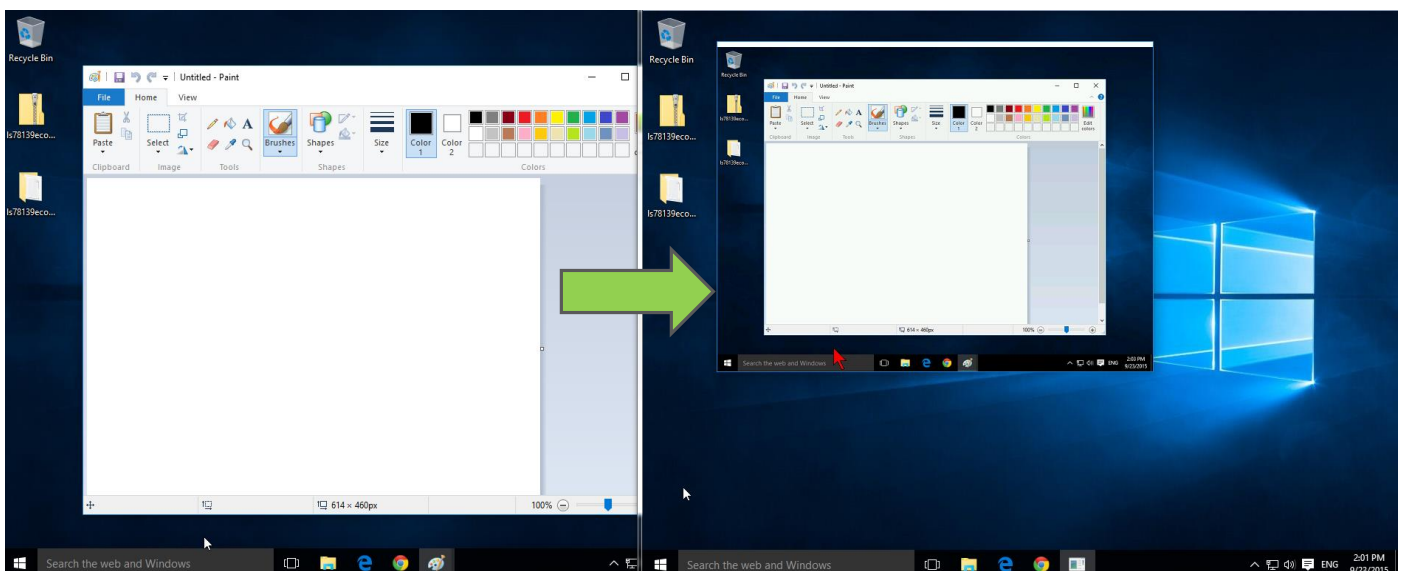
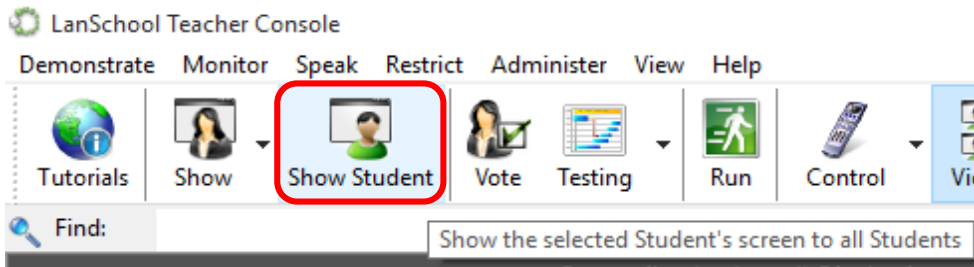


LanSchool Student Client (1)

LanSchool Student Client (2)

Screen Broadcasting – Show Student (picture-in-picture)

As above, only the Student screen on the other Student desktops is windowed and can be moved/resized by the Student (window always 'on top').



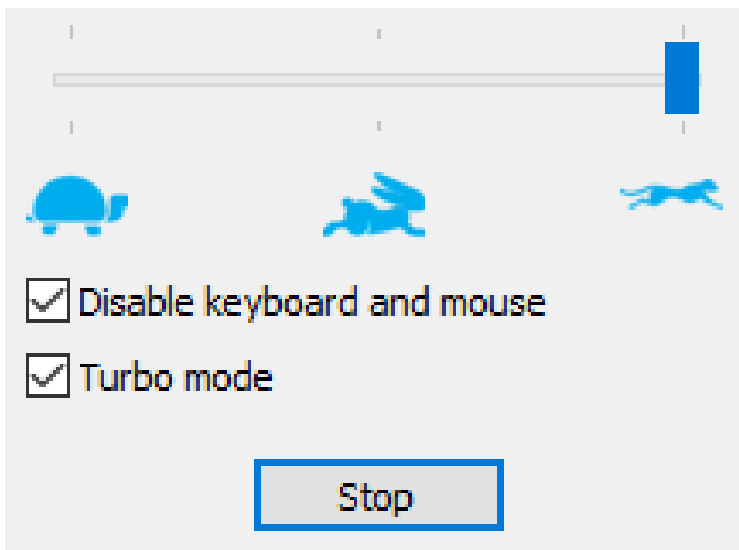
LanSchool Student Client (1)

LanSchool Student Client (2)

Adjust Speed

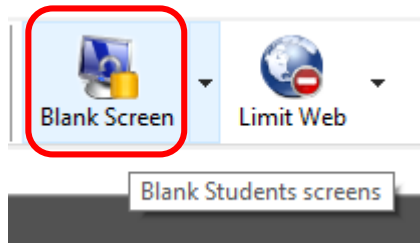
When broadcasting, you will have a prompt to adjust the speed (refresh rate) and image quality of the session. LanSchool is highly scalable, and will use more bandwidth where available to ensure a smooth and clear image – ranging from 1fps, to 5fps and 10fps (fps = frames per-second).

Where increased performance is required, you can enable Turbo Mode which will double the capacity, as well as the bandwidth required. This will create additional load on your network, so please consult with your IT Department before enabling Turbo Mode.



Blank Screens

Lock down Student client machines (whole class, specified group or individual). This blocks the entire desktop and taskbar, and can be customised with a full-screen image or message. No keyboard/mouse activity is registered from the Student machines, forcing them to disregard the PC, laptop or tablet and pay attention to the teacher at the front of the classroom.

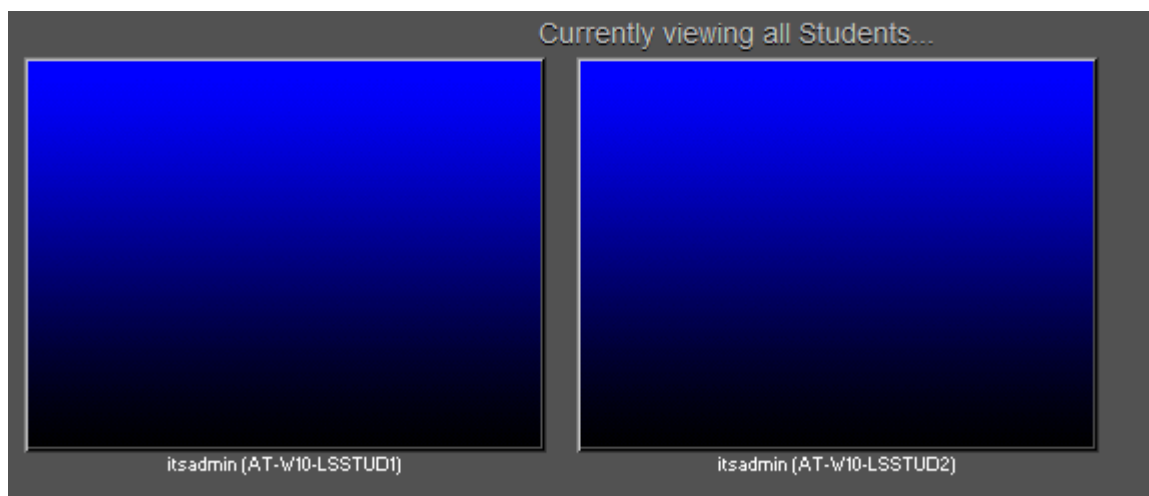


Screen Blanking

Enter the text to display on the Students screens when they are blanked:

Eyes to the front of the Classroom please... ▼

☒ Use an image when blanking screens

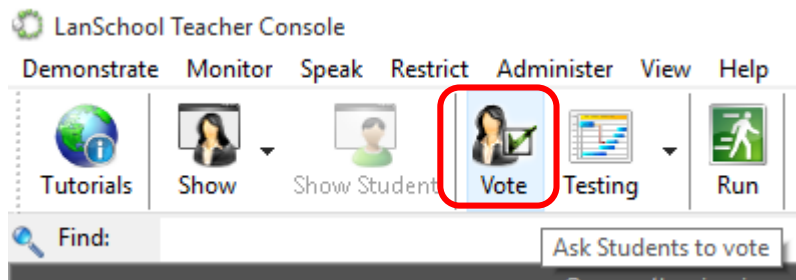


Eyes to the front of the
Classroom please...

Assessment – Voting

Voting pushes out a single True-or-False or Multiple Choice question out to all Students, who receive it as a pop-up on their screen. Students use this pop-up to answer the question.

Teacher has an active feedback window showing the % of total Students voted, as well as the split of answers. They can then share their screen to present this information to the class.



Send Question To Students

Type or verbally ask a question to all Students

Question

Type your question below:

The capital of Italy is...

Load...

Save...

New

Send

A) Paris
B) Rome
C) Athens
D) Madrid
E) Berlin

LanSchool Student Vote

Question From Teacher

The capital of Italy is...

A) Paris
B) Rome
C) Athens
D) Madrid
E) Berlin

Answer From Student

Select the answer for the Teacher's question and then click the 'Vote' button.

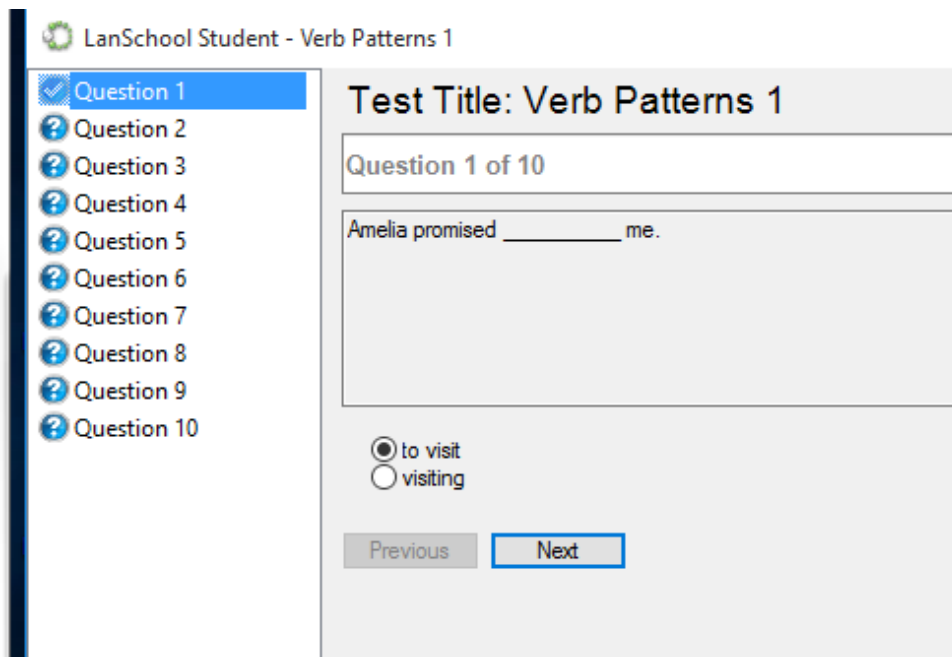
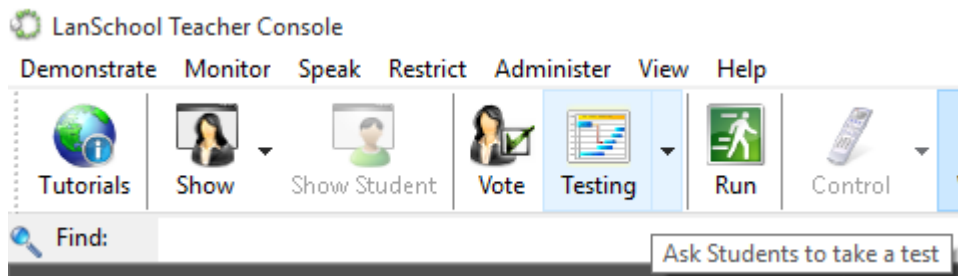
☐ A
☒ B
☐ C
☐ D
☐ E

Vote

Assessment – Testing

Testing pushes out a set list of questions to all Students. These questions can be True-or-False, Multiple Choice, Multiple Correct Answers, Open Ended, Image-based, Essay etc. Questions can be pushed out randomly on a Student-by-Student basis to prevent cheating ('screen peeking').

Students can see their grade at the end of each test as a %. Teacher has an active feedback window that shows the class average, student grade and question average.



Send Test To Students

Included:

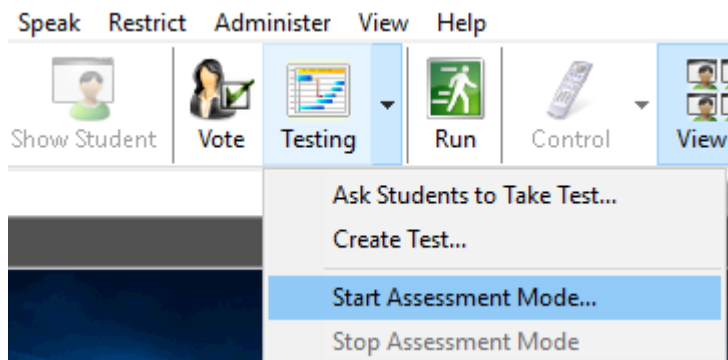
Login Name	Machine Name	Status	Score	1	2	3	4	5	6	7	8	9	10
itsadmin	AT-W10-LSSTUD1	Working on test	50%	✓	✗	✓	✓	✗	✓	✓	✗	?	?
itsadmin	AT-W10-LSSTUD2	Working on test	10%	✗	✓	✗	✗	✗	?	?	?	?	?
Test Results (averages):			30%	50%	50%	50%	50%	0%	50%	50%	0%	0%	0%

☒ Show Question Results

Resend... Export...

Assessment – Assessment Mode

Assessment Mode allows you to set a time limit in which a test must be completed. You can also additionally limit website and program access during this period, locking the machine down to only allow access to resources relevant to the test in progress.



Start Assessment Mode

 Assessment Mode allows the Teacher to put all of the Student computers into a 'locked down' state when Students take Assessment tests on their computers.

Note: Once you enter Assessment Mode you will only be able to monitor student machines until the Assessment finishes. You will not be able to interact with Students.

Configure the following options and then click the 'Start' button to begin Assessment Mode on the Teacher console.

☒ Assessment must be finished in minutes

Web Limiting

☐ Block all web browsing
☒ Allow only the following Web Sites:

edexcel.org.uk
schoolsonline.org
bbc.co.uk/learning

☒ Restrict IP address and Private browsing

Application Limiting

☒ Allow only the following applications:

chrome.exe
excel.exe
calc.exe

Drive Limiting

☒ USB drives
☒ CDROM / DVD drives

Print Limiting

☒ Limit printing

Save... Load...

Start Cancel

Remote Run

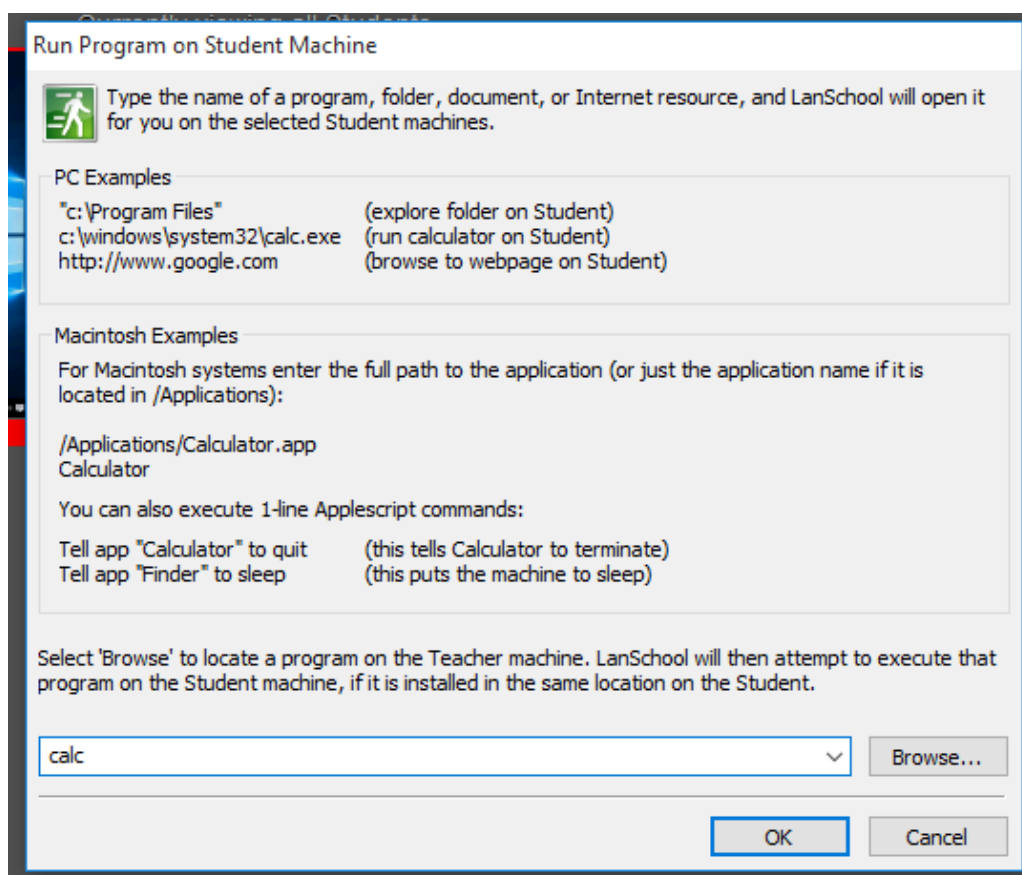
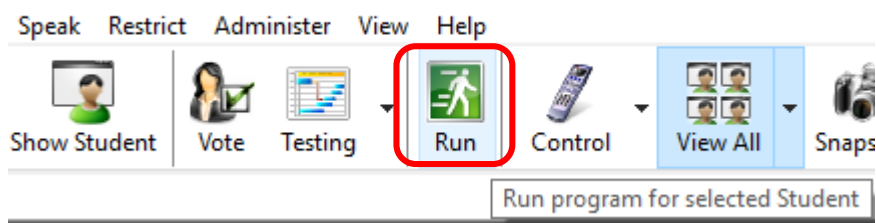
Allows you to remotely launch an executable (.exe) or Universal Windows Platform app (.awp) installed on the target Student PC's. This can either be done via common program name (e.g. typing in 'calc' will launch the Windows Calculator) or by specifying a file path (C:\Windows\System32\notepad.exe).

This can also be used to open a folder on the Student machines ("C:\Program Files")

You can also use this to force all machines to a certain website; e.g. <http://www.bbc.co.uk>

After you have done this once, the action will be stored in the drop-down for future repeat use.

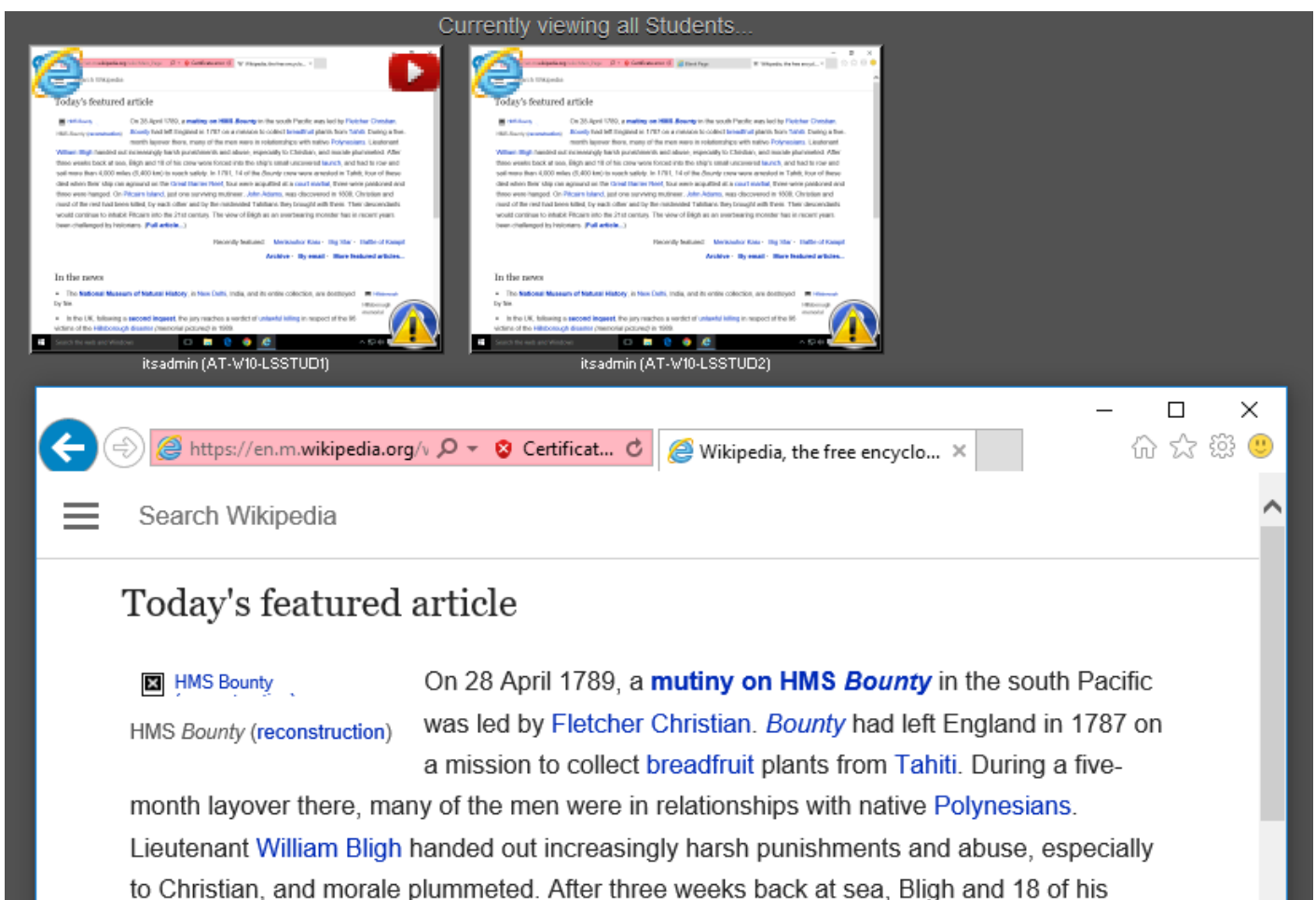
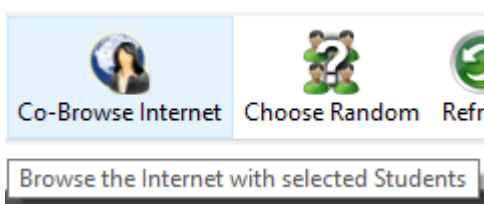
nsole



Co-browse Web

Launches a supported browser (see 'Limit Web') on all machines. The Teacher can then navigate the browser (e.g. entering URL's, clicking hyperlinks etc.) which is pushed out to the Student browsers, keeping everyone on the same page ('dominant' URL).

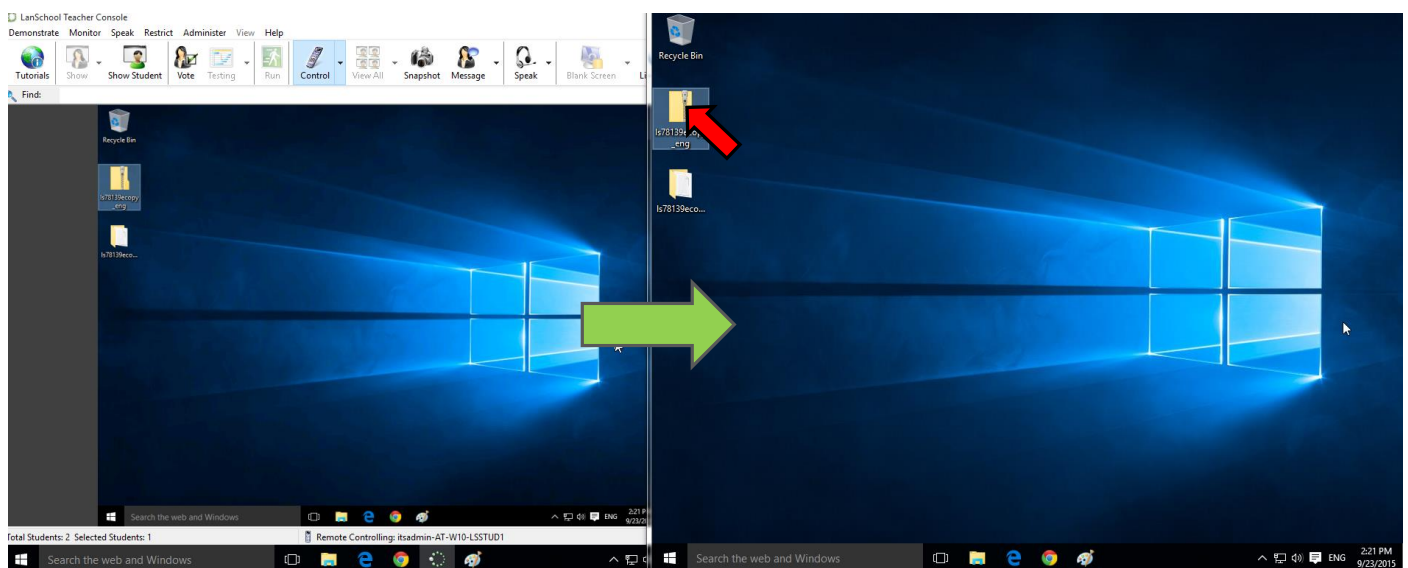
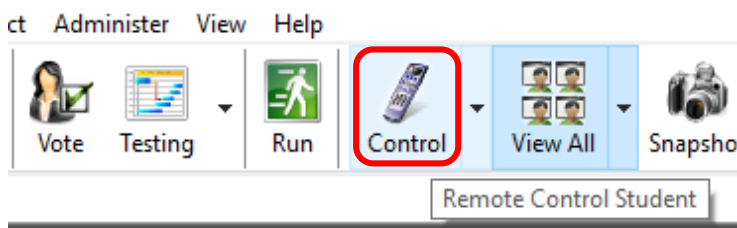
If a Student attempts to navigate away from the target page, the LanSchool client will automatically re-direct them back within 1 second. This allows you to direct the Students to a chosen page, then relinquish control and allow them to work from it.



Remote Control

Allows you to remotely 'take over' a Student machine, removing mouse & keyboard control from the Student. Teacher's mouse appears as a red arrow cursor, and Student may use their own (standard white arrow cursor) to highlight areas of attention. Clicks and keystrokes from the Student will not register while the Teacher takes control.

This can be used to show a stuck Student how to perform an action, or to troubleshoot if they believe they're suffering technical issues that put them behind the rest of the class.



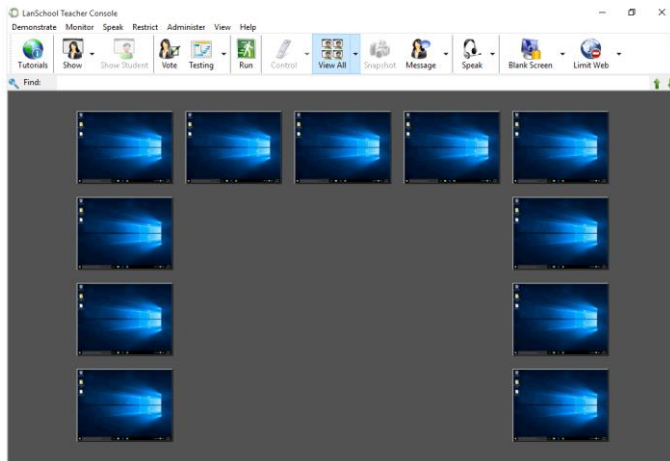
LanSchool Teacher Console

LanSchool Student Client

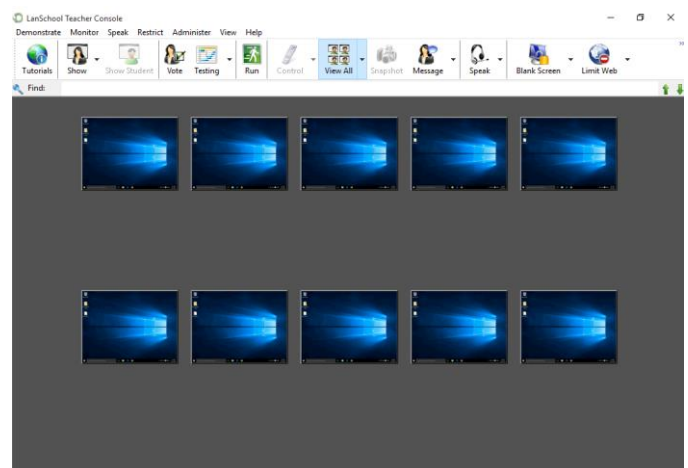
Thumbnail View

LanSchool gives you an active screen overview of every Student machine in the Channel (class) at once, providing an overview of class activity. Teachers can use this view to ensure that users are using the correct program or web resource, and identify Students who stray from the class direction. Thumbnails can be highlighted individually or in groups for the purposes of blanking, control etc.

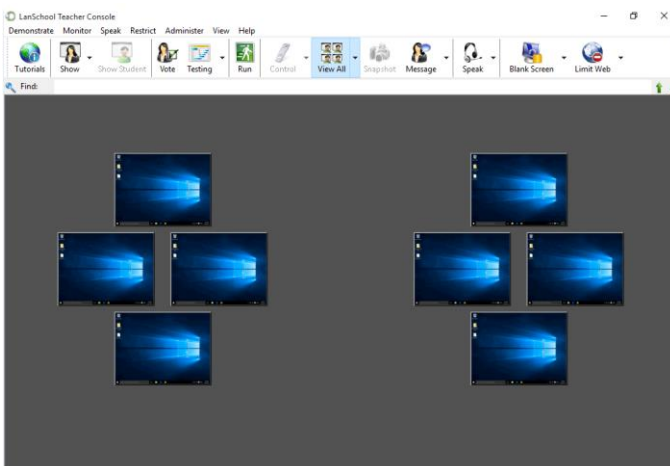
Thumbnails can also be arranged to mimic a map of the physical room and each Student machine's location within it and in proximity to each other.



“Horseshoe” IT Lab



“Row-by-row” Classroom



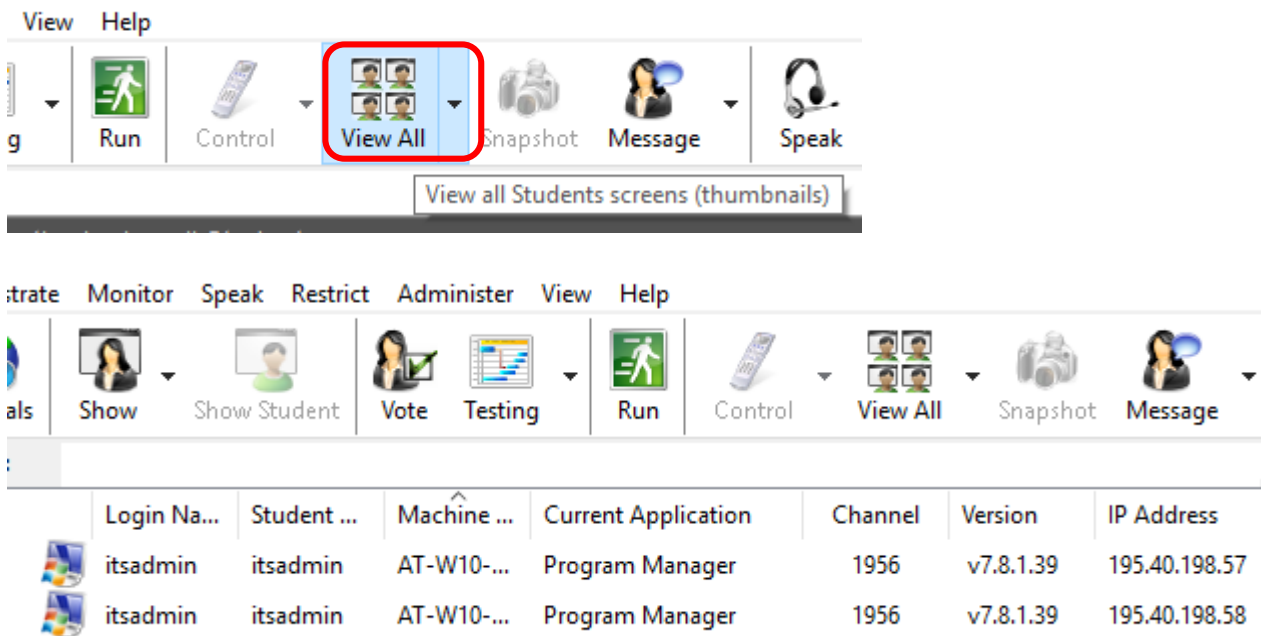
“Clustered” Library Banks

Or drag-and-drop to re-arrange them in a custom pattern to make your own!

Change View Mode

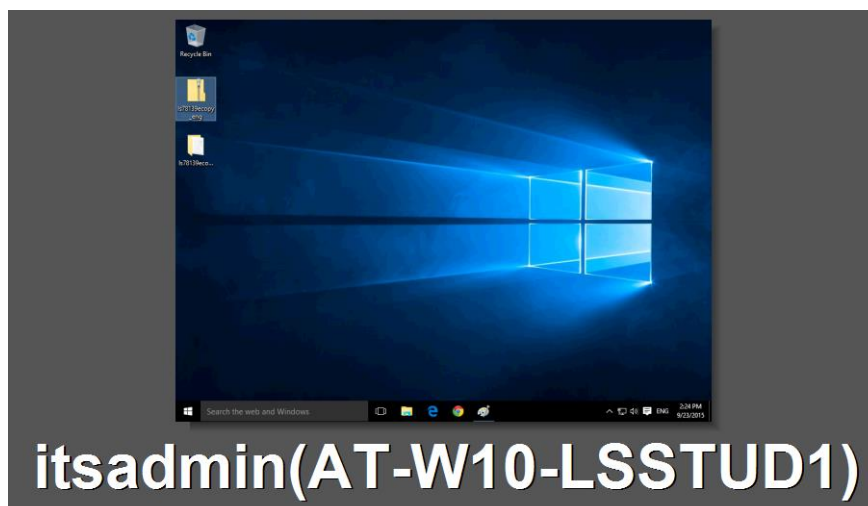
This allows you to toggle between three methods of viewing the Student clients;

- *Thumbnail* – As described above.
- *Detail* – Gives a detailed list of every Student client machine in the Channel, including IPv4 address, MAC address, power on/off status, Channel number, AD name of current user etc. This view does not show the Student's screen and can be used more for troubleshooting or gathering technical information (such as making sure all Students are present in a BYOD environment).
- *Screen Feed* – Gives a full-screen image of a Student's active desktop, providing 5 seconds of active screen time per individual Student before moving on to the next, in a class-wide rotation. This gives a larger, more detailed look at each Student's desktop, and can be projected onto an Interactive Whiteboard, or viewed by a learning assistant while the Teacher moves around the room.



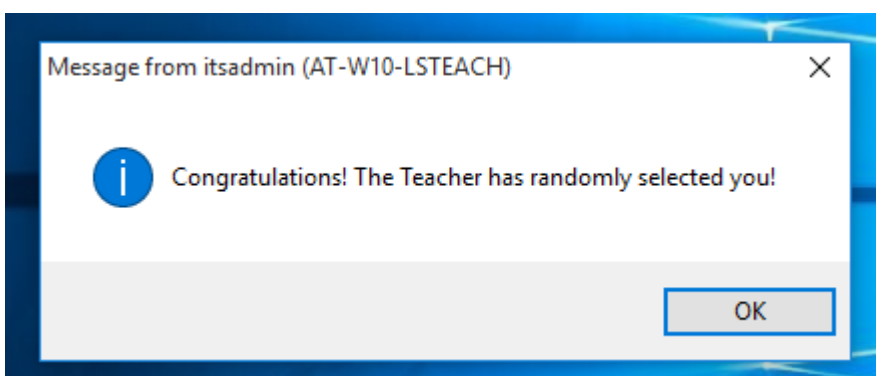
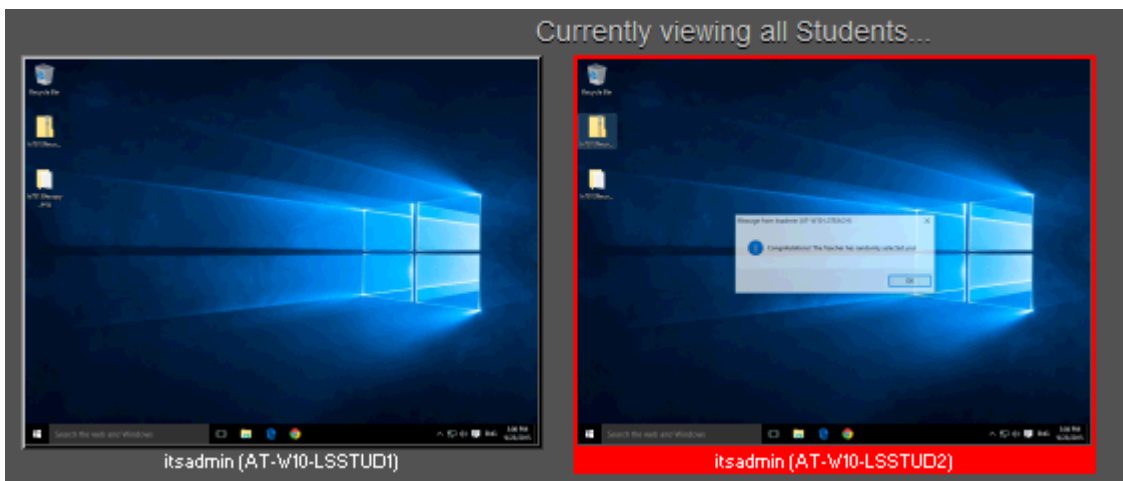
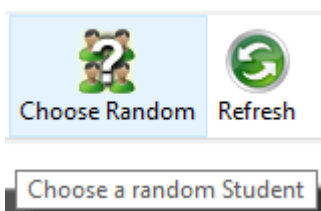
View all Students screens (thumbnails)

	Login Na...	Student ...	Machine ...	Current Application	Channel	Version	IP Address
	itsadmin	itsadmin	AT-W10-...	Program Manager	1956	v7.8.1.39	195.40.198.57
	itsadmin	itsadmin	AT-W10-...	Program Manager	1956	v7.8.1.39	195.40.198.58



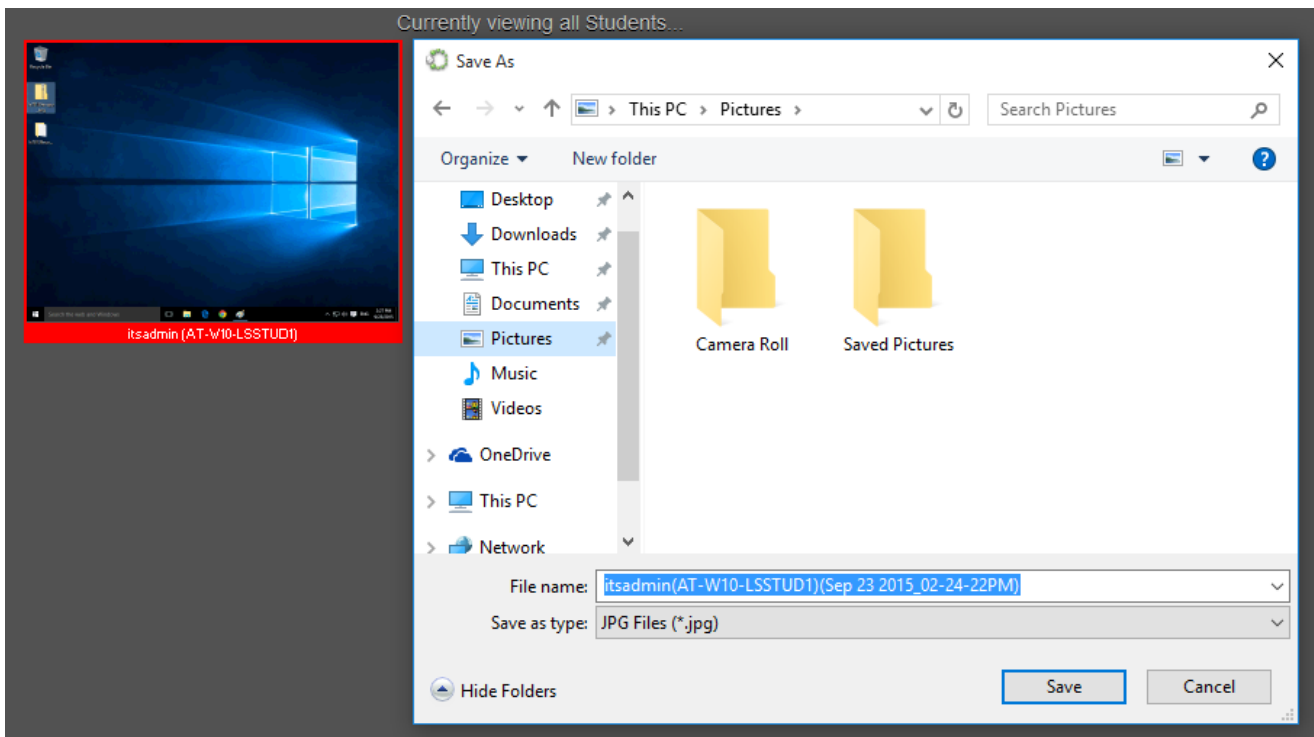
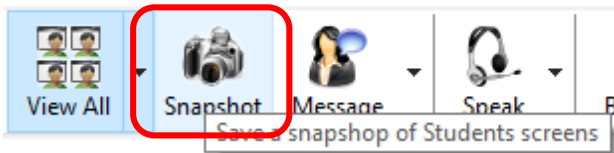
Choose Random

This cycles the Teachers' selection cursor randomly between all active Student clients in the Channel in a 'roulette' style. Once it 'lands' on a Student, they receive a pop-up notification that they have been randomly selected, and the Teacher can then opt to broadcast their screen out to the other Students and let them take over the class.



Snapshot

This grabs a screenshot (.jpg) of a Students desktop at that point in time and stamps it with the machine name, user name, time and date. Can be used to instantly capture a user's screen, typically used when catching a Student acting illicitly (e.g. access YouTube during class time).

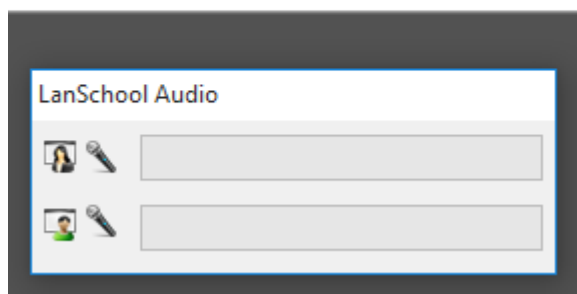
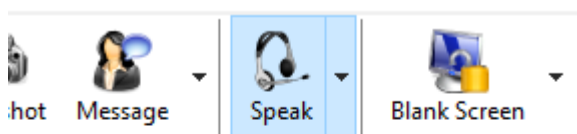
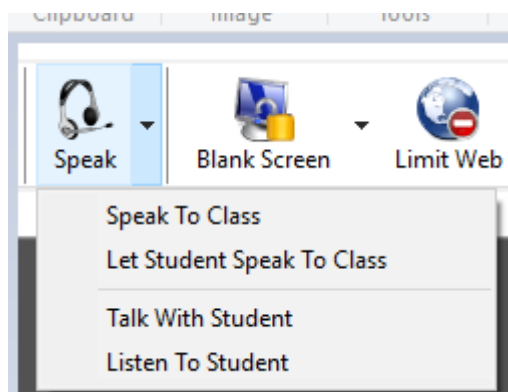
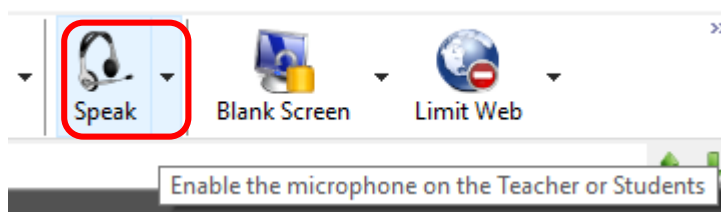


Speak

Enables you to use your PC or laptop's microphone or speakers to communicate with the Student machines and vice-versa. As with Share Screen, Teachers can also pass control over to a Student machine for peer-to-peer guidance.

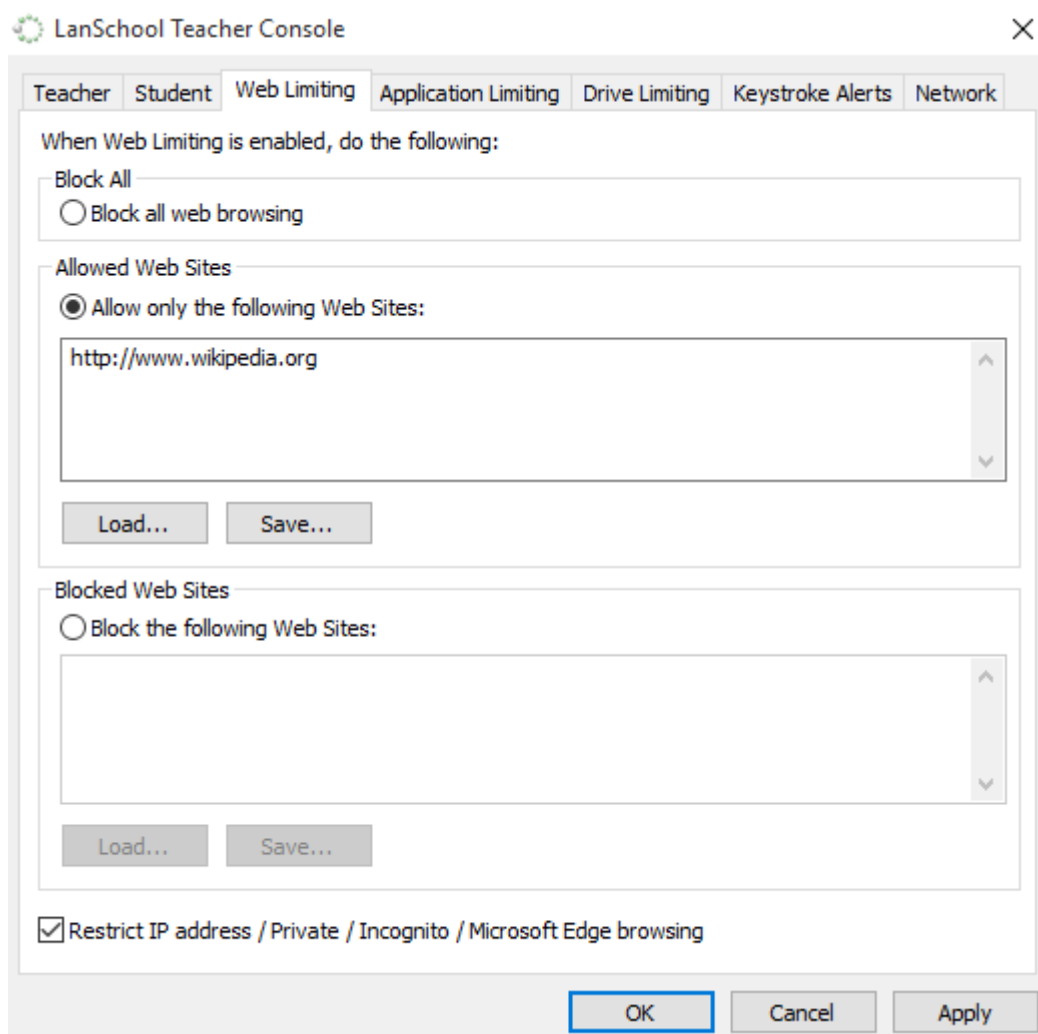
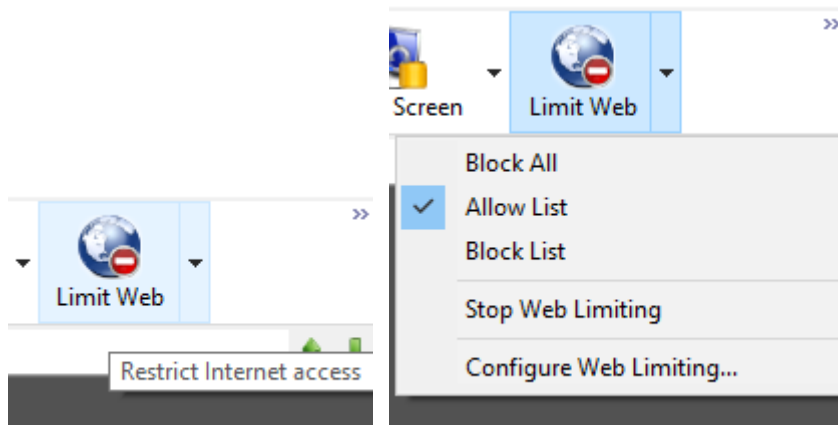
- *Speak to class* – Broadcast mic over all Student speakers
- *Speak to Student* – Broadcast mic to single Student (one-way communication)
- *Talk with Student* – Broadcast mic to single Student and allow them to speak back
- *Allow student to speak to class* – Nominate a Student to broadcast mic activity to the other Students of the same channel.

This can be very effective in language classes (where students wear headphones) and large rooms or halls (where it can act as a digital tannoy).



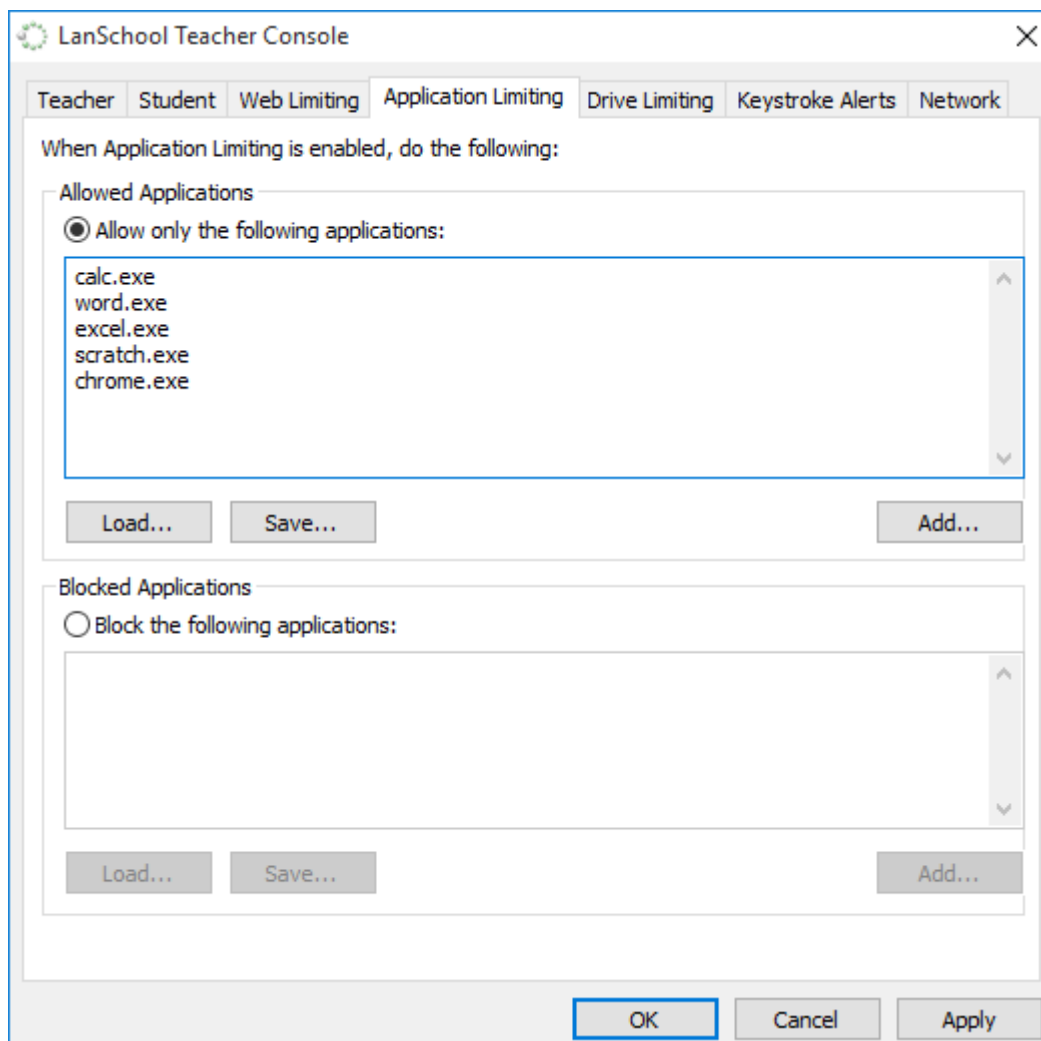
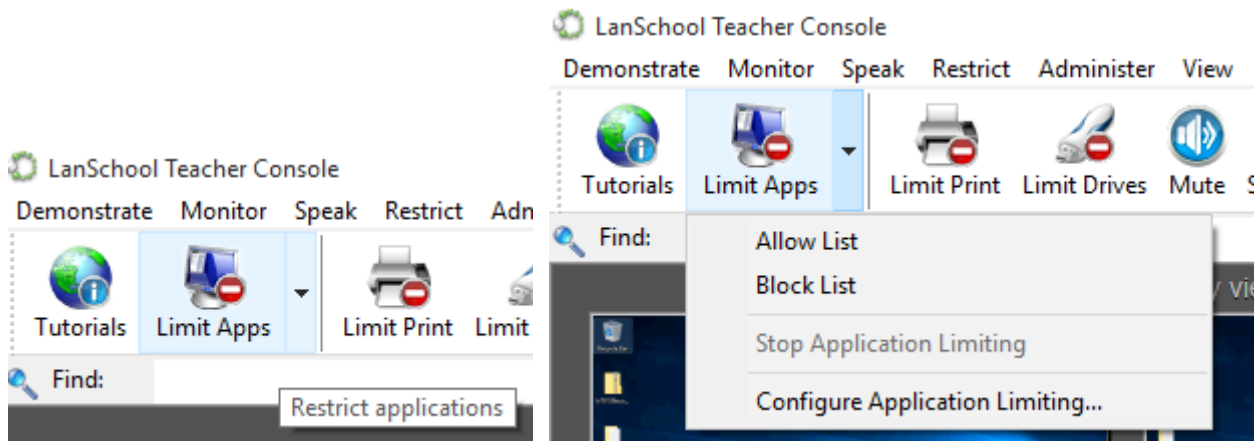
Restrictions – Limit Web

Allows Teachers to build either a blacklist (listed websites blocked) or whitelist (all websites blocked aside from those listed) which can be toggled on/off as required with a single click. This can also be used to block *all* web browsing by enforcing an empty whitelist. Supported browsers are Internet Explorer, Firefox, Chrome and Safari.



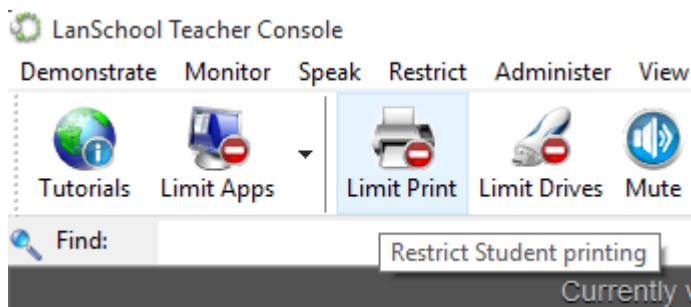
Restrictions – Limit App

Allows Teachers to build either a blacklist (listed programs/apps blocked) or whitelist (all programs/apps blocked aside from those listed) which can be toggled on/off as required with a single click. This applies to both programs and the 'universal apps' format that was added in Windows 10 (the successor to Windows 8's 'metro apps'). Supported formats are .exe and .uwp.



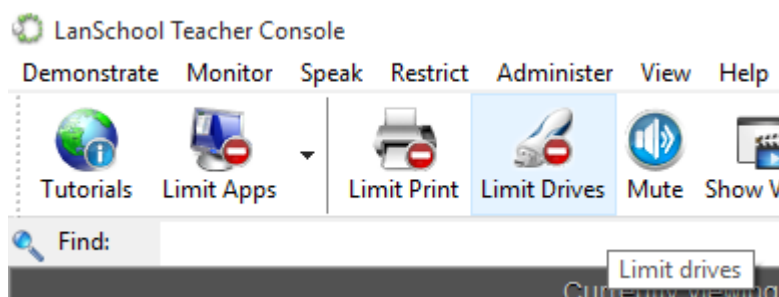
Restrictions – Limit Print

Allows you to block all Student machines from sending print jobs to a network or local print queue. This can be useful when you want to enforce a paperless environment, even if the Student would normally have print access.



Restrictions – Limit Drives

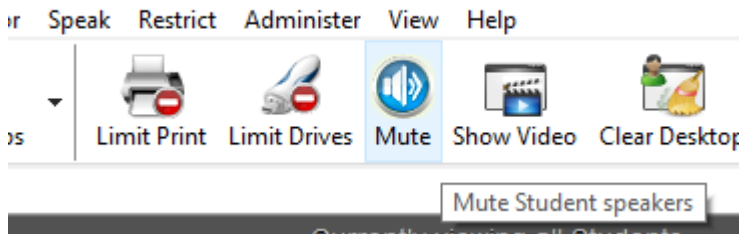
Allows Teachers to disable read/write access to external drives, such as floppy disk, CD ROM and USB flash drives or external HDD's, preventing them from bringing files and programs from home into your class.



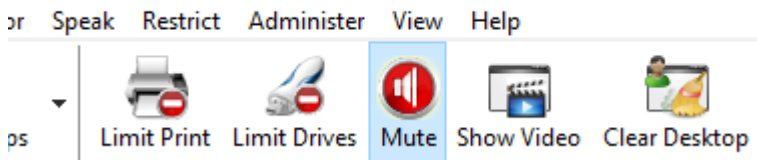
Restrictions – Mute

Remotely mute a target Student (single, group or class)'s speakers by overriding their 'Playback devices' settings.

Console

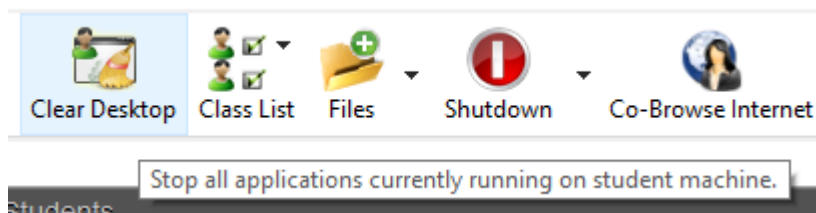


Console



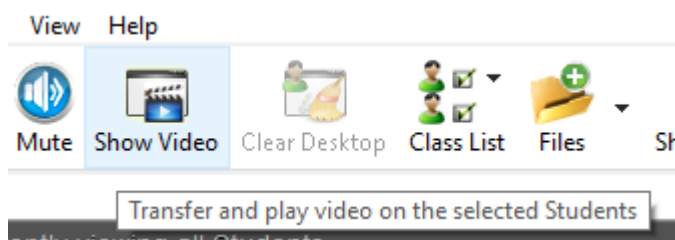
Clear Desktop

Forces all Student desktops to refresh to a clear desktop, with all other windows and applications closed (not minimised). This can be used before launching a new program with 'Run...'.



Show Video

Allows Teachers to stream video files (e.g. .mp4, .wmv, .avi etc.) to Student devices. Because of the bandwidth required to stream, LanSchool sends the complete video file to the Student clients and then runs it remotely once complete; rendering the video on the Student side to ensure smoother playback.



Show Video

Video Information

Path to the video file:

C:\Users\admin\Downloads\big_buck_bunny_480p_5mb.mp4

Load...

Copy to Student folder:

c:\LanSchool Files

Video Transfer Type:

☒ Transfer video to Students and begin playing.
 ☐ Transfer video to Students (don't begin playing).
 ☐ Play previously transferred video on Student computers.

Start

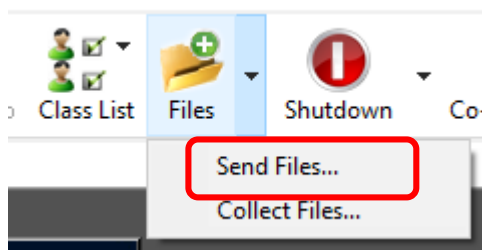
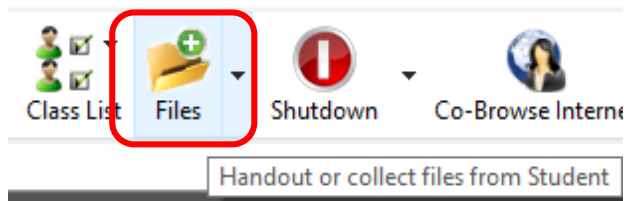
Transfer Details

Video Preview

Login Name	Machine Name	Status
 itsadmin	AT-W10-LSSTUD2	 Waiting for Teacher to send video...
 itsadmin	AT-W10-LSSTUD1	 Waiting for Teacher to send video...

File Sharing - Send Files

Allows you to specify a common file path (e.g. C:\LanSchool Files or H:\OneDrive) to send and receive files to Students. This can be mapped to any existing folder path, and can be also used with roaming profiles and cloud storage. This can replace classic paper handouts by sending digital files to users at the start of class who can make changes to them. This also works for homework templates sent at the end of the class.



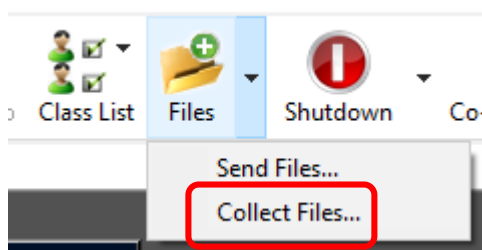
LanSchool Folder on Student

Enter the full path of the LanSchool folder on Student machines. This path can be a local drive or network drive:

c:\LanSchool Files

File Sharing - Receive Files

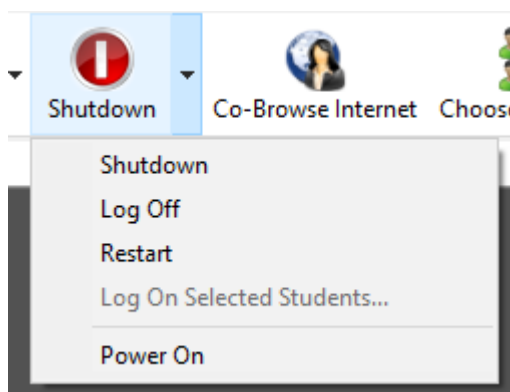
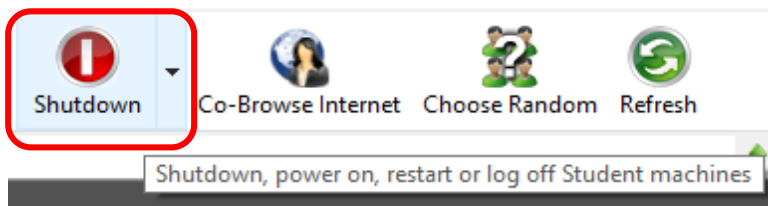
As above, only reversing the process, sucking the files back into the Teacher machine with the changes intact. This also works for homework retrieval at the start of class.



Shutdown

Gives you the following power options over the Student client machines:

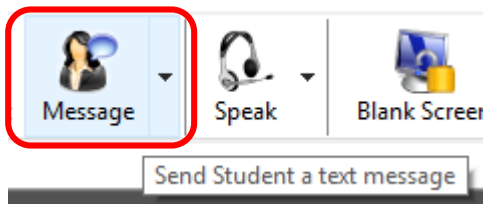
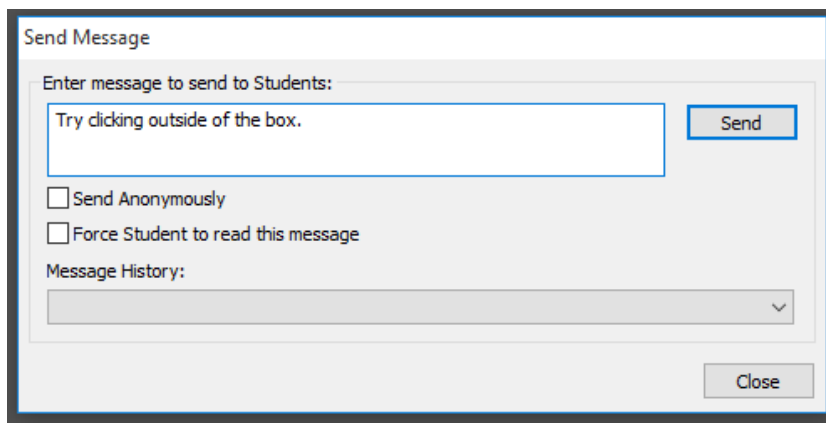
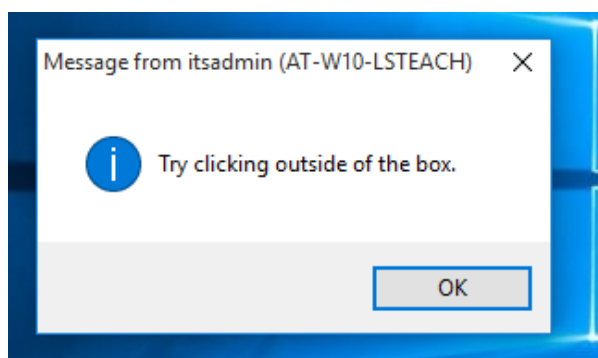
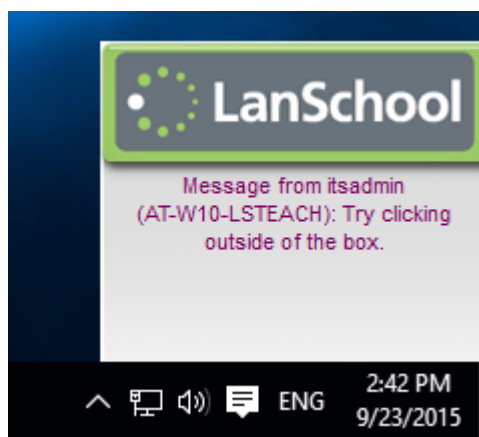
- *Power On* – Sends a WOL ('Wake-on-LAN') magic packet to remotely power on a target machine or group (target machines' BIOS must be configured to allow this).
- *Shut Down* – Sends a 'shutdown -s' signal to a target machine or group, causing them to power down within 1 minute.
- *Remote Logon* – Can upload a csv of AD credentials to remotely log in users prior to the start of class.
- *Remote Logoff* - Sends a 'logoff -l' signal to a target machine or group, forcing them to log out within 1 minute.



Communicate – Direct Message

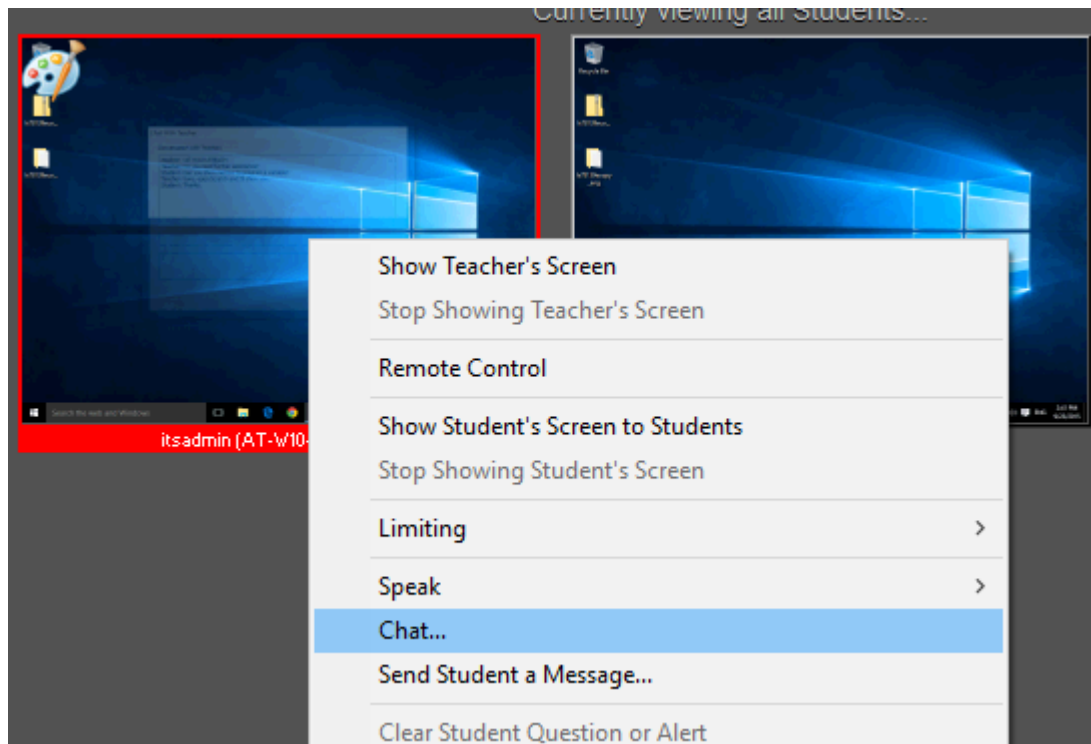
Allows you to send a single message to a Student or group. This can take two forms;

- *Notifications* - appear as a bubble over the system tray, and do not interfere with a Student's current workflow.
- *Alerts* - appear as a pop-up window in the centre of the Student's screen and will become the active window, thus interrupting their current action.

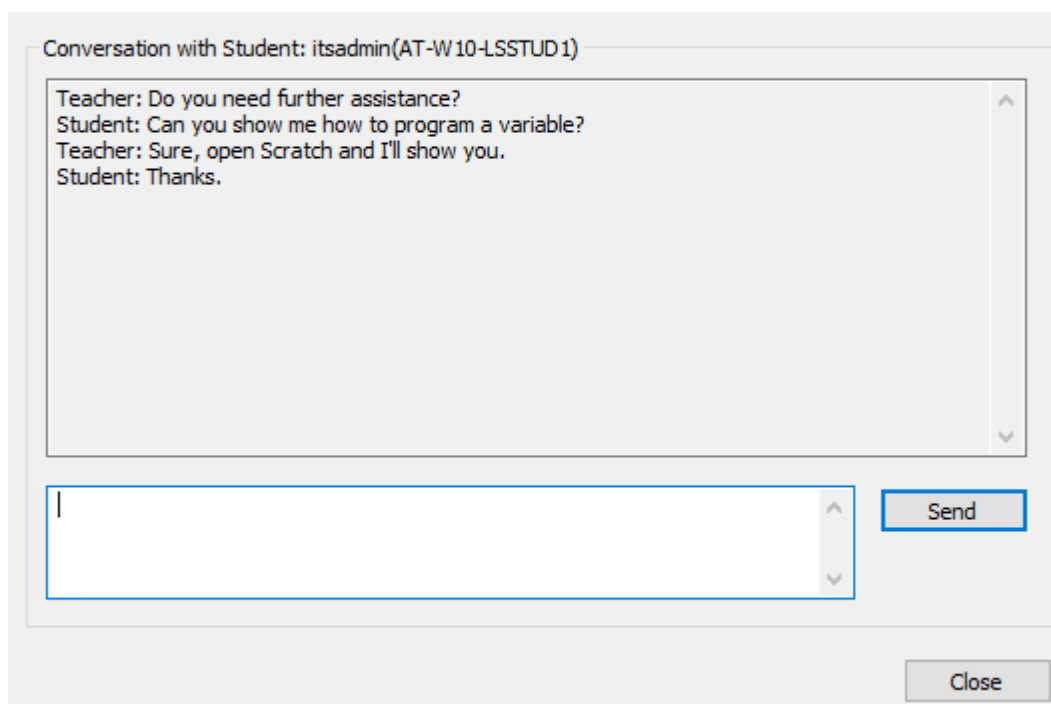




Communicate – Direct Message

Allows the you to open a private two-way instant messenger dialogue with a single Student, allowing for discreet discussions. The text chat can be copied and saved by the Teacher at any time.

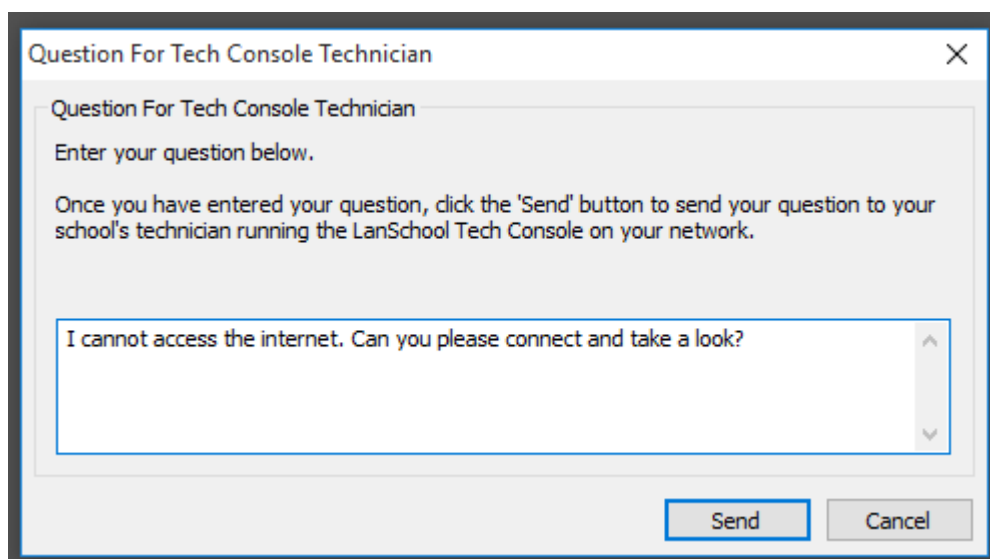
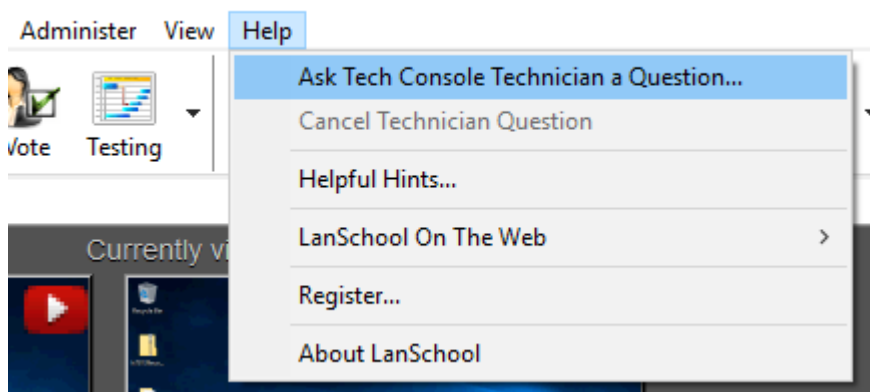


Chat With Student



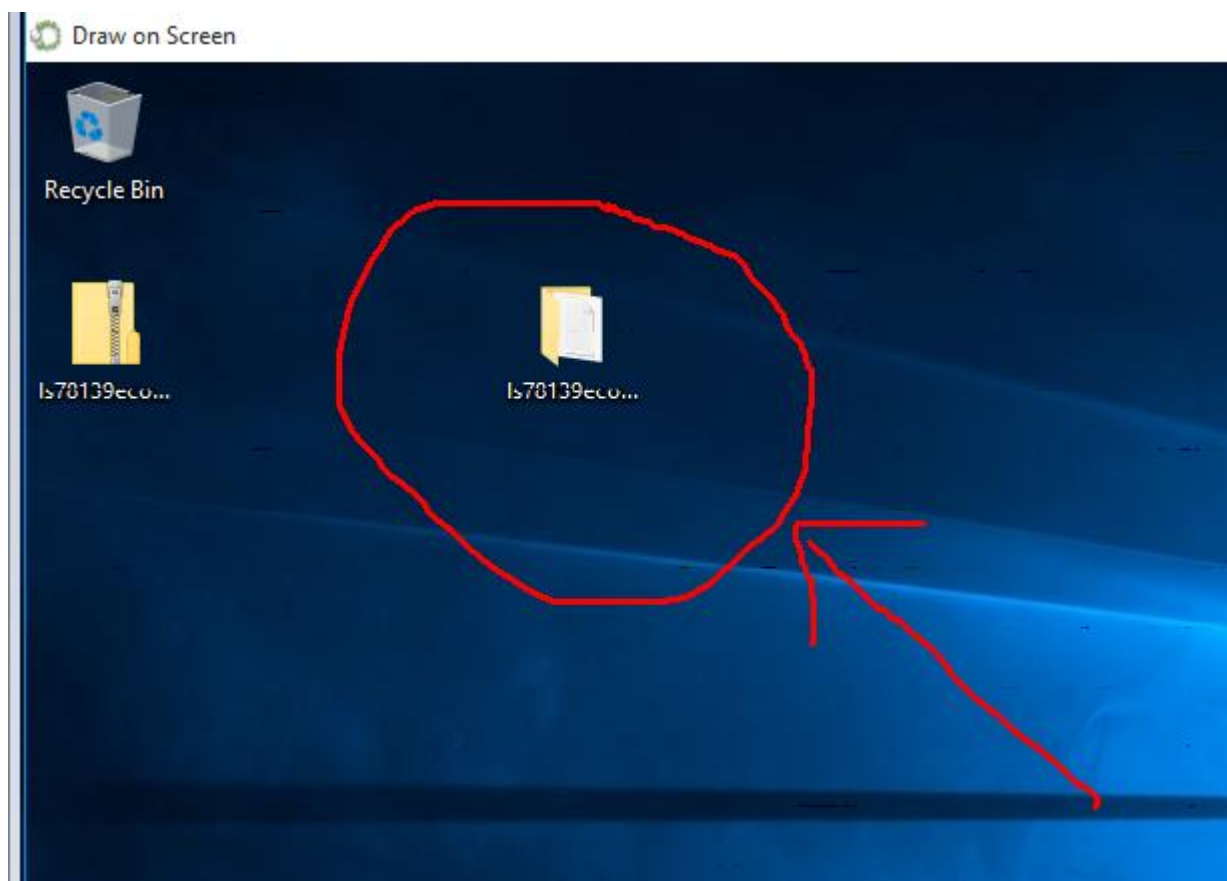
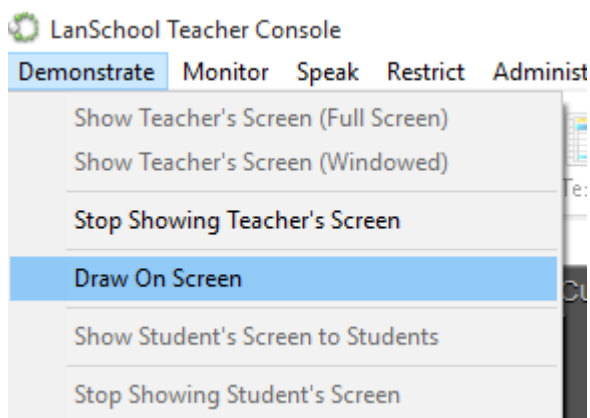
Communicate – Contact IT Department

Allows you to message or flag the attention of the overarching Tech Console, such as when remote assistance is required. This message appears as a '?' icon in the Tech Console, who can then open a chat session of their own with the Teacher and initiate Remote Control. This is identical in function to how a Student would signal a Teacher, chat and remote control.



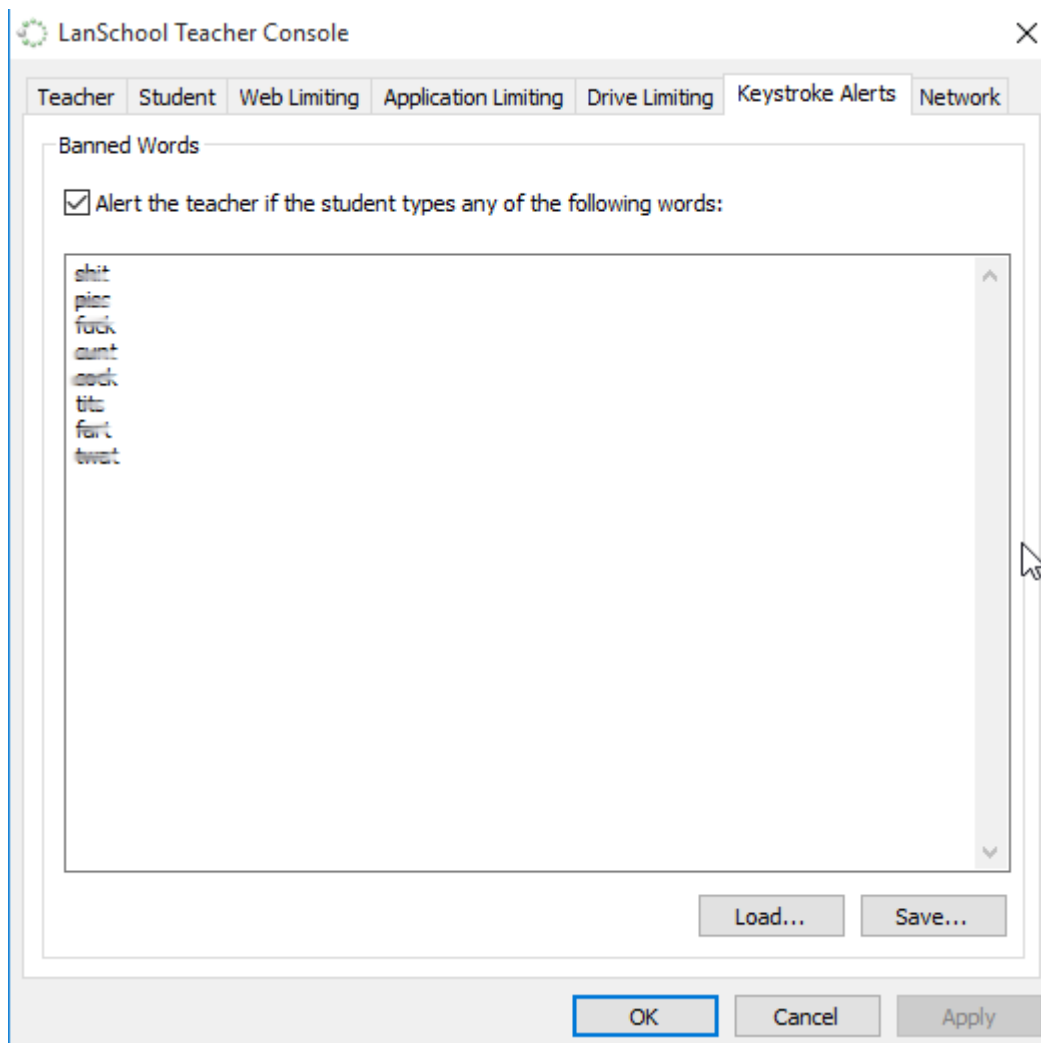
Draw on Screen

This allows Teachers to draw on the screen (appearing as red 'ink'), such as when sharing their screen on an interactive whiteboard. This can be used to highlight key areas of the screen while sharing their screen, or to allow Students to interact with the Teacher's desktop using a common touch interface. Teachers can also 'draw' on the Student desktops using their mouse to highlight key areas of their screens via the Demonstrate menu.



Keyword Alerts

Teachers can specify a set list of pre-defined keywords that flag an alert when typed by a Student. This monitors machine keystrokes via the client rather than browser activity, making it more effective than a web filter by tracking both online and offline activity, regardless of where the word is entered (e.g. email, notepad, browser etc.). This appears as a pop-up on the Teacher Console's Alerts List which will display the users name, PC name, date/time and the word entered.



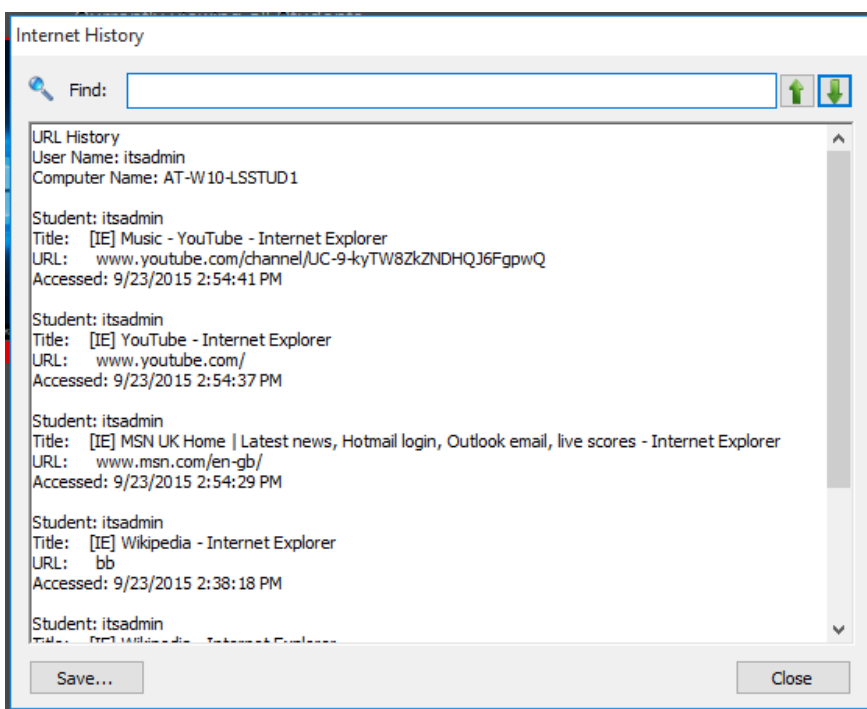
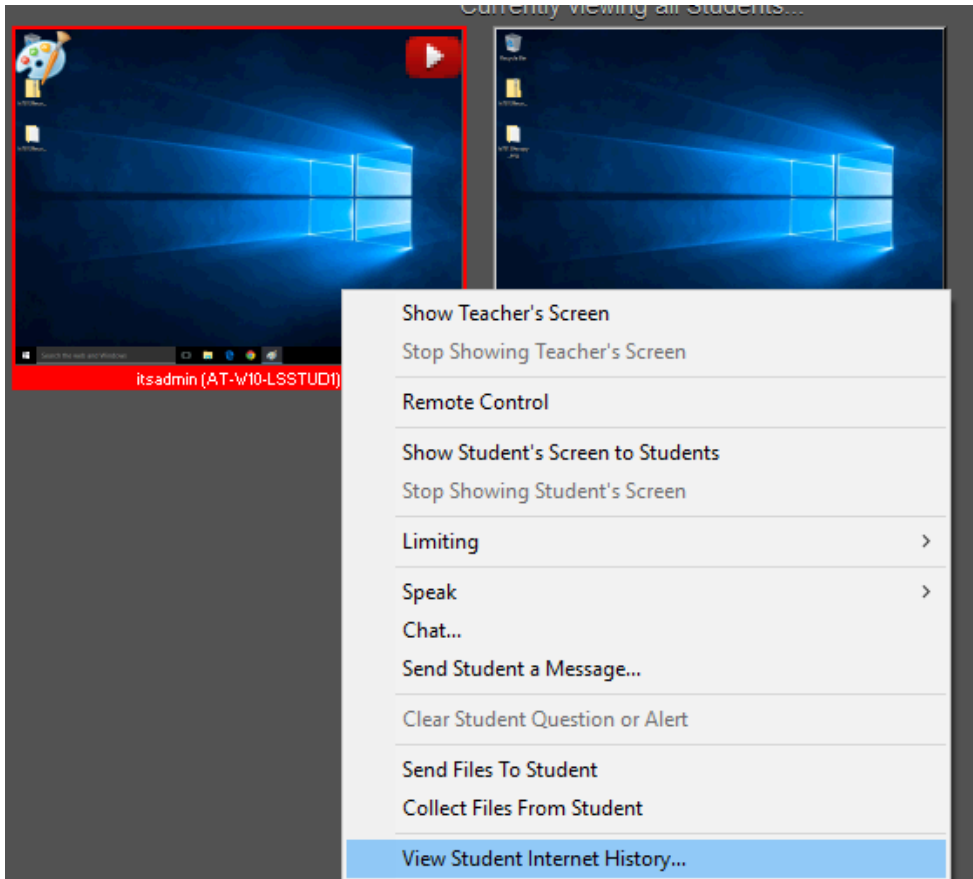
Students who have had alerts or questions for the Teacher during this session.

Type	Login Name	Machine Name	Time	Question / Alert
Alert	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 04:12:33PM	Student 'itsadmin(AT-W10-LSSTUD1)' typed the word 't**t' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 04:12:33PM	Student 'itsadmin(AT-W10-LSSTUD1)' typed the word 'f**t' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:12:01PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 't**s' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:12:01PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 'c**k' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:12:01PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 'c**t' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 04:11:58PM	Student 'itsadmin(AT-W10-LSSTUD1)' typed the word 'f**k' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 04:11:58PM	Student 'itsadmin(AT-W10-LSSTUD1)' typed the word 'p**s' which is on the banned word list.

Locate Student Export...

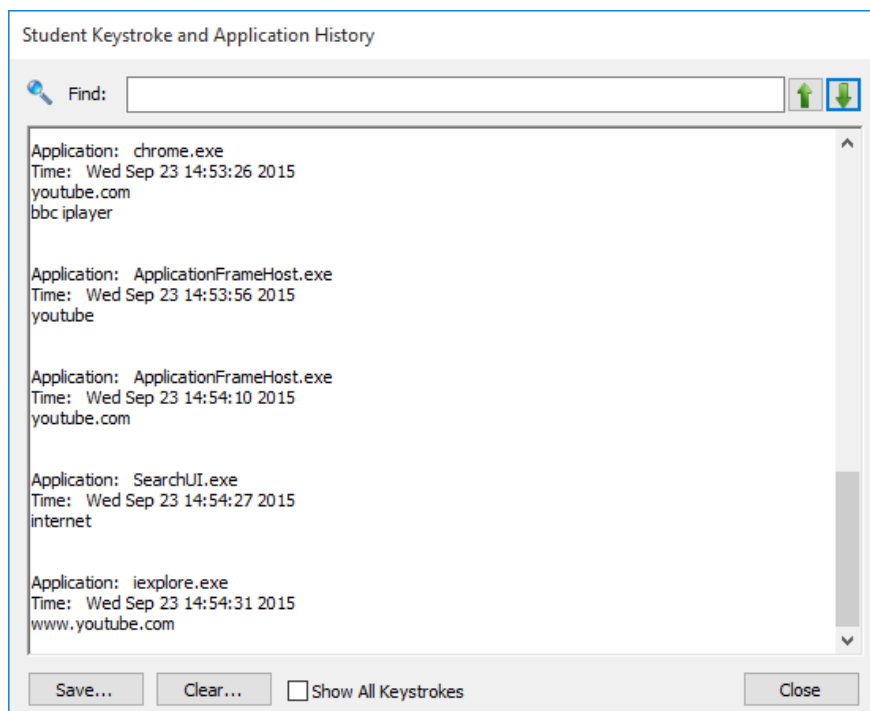
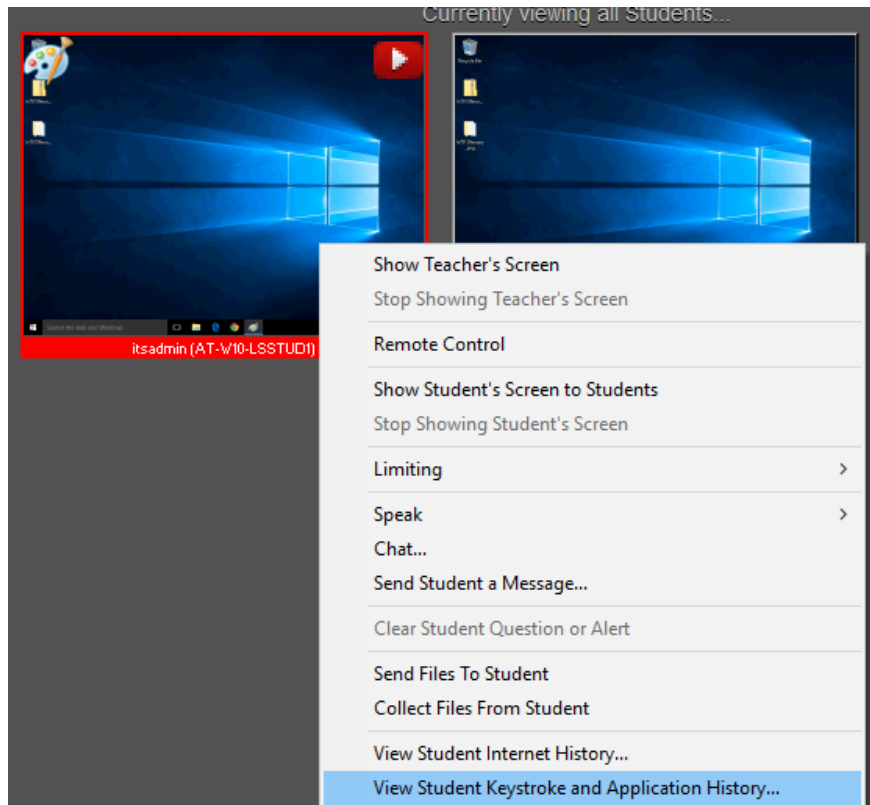
Activity Auditing – Student Internet History

Teachers can view the history of viewed website URL's on a single Student machine by right-clicking. This data lasts as long as the active session and can be exported as a data file.



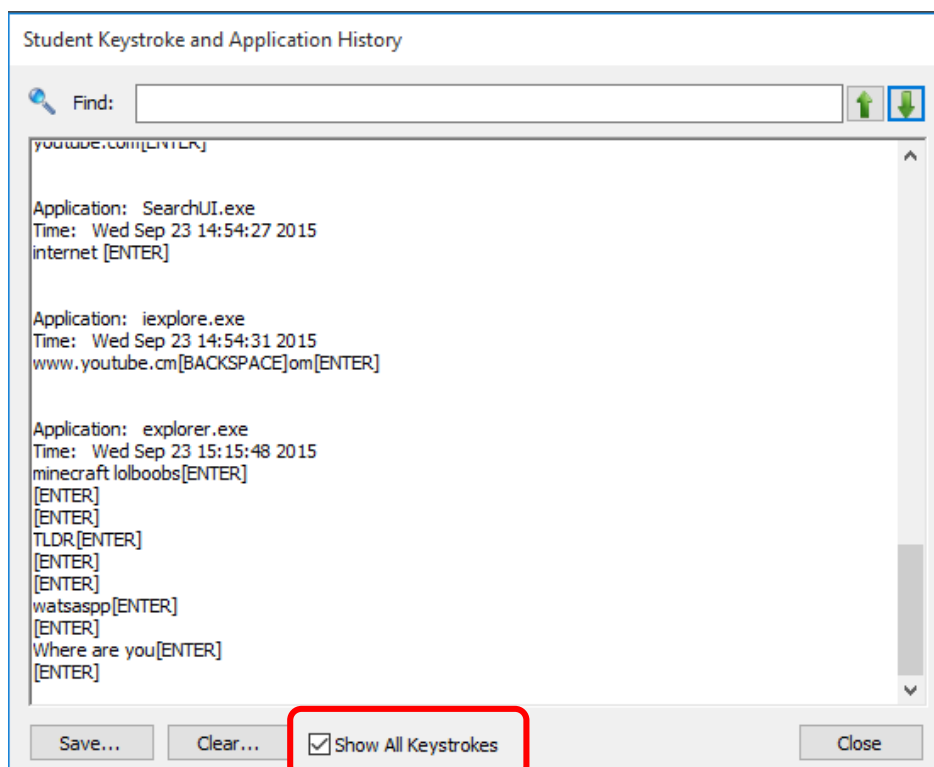
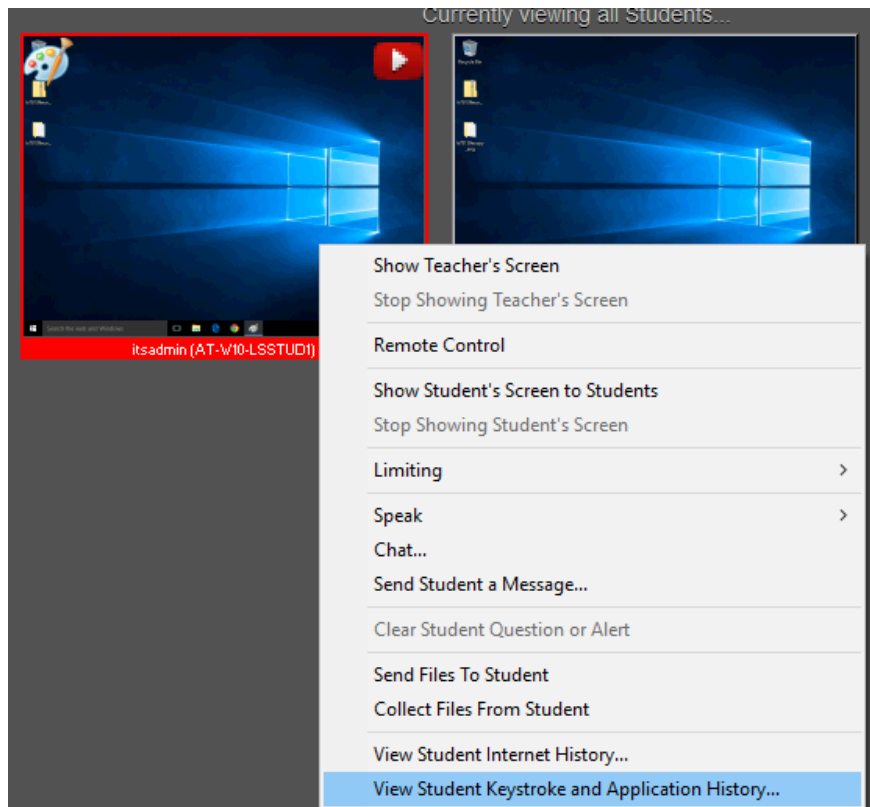
Activity Auditing – Student Program/App History

Teachers can view the history of viewed programs and/or apps run on a single Student machine by right-clicking. This data lasts as long as the active session and can be exported as a csv.



Activity Auditing – Student Keystroke History

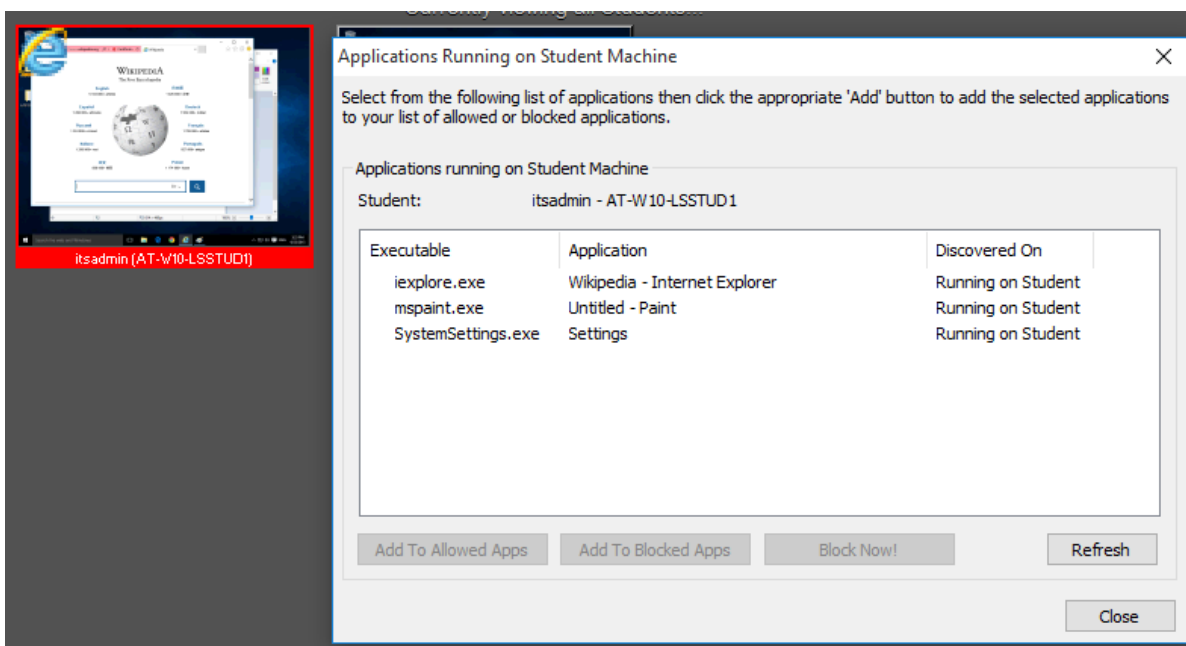
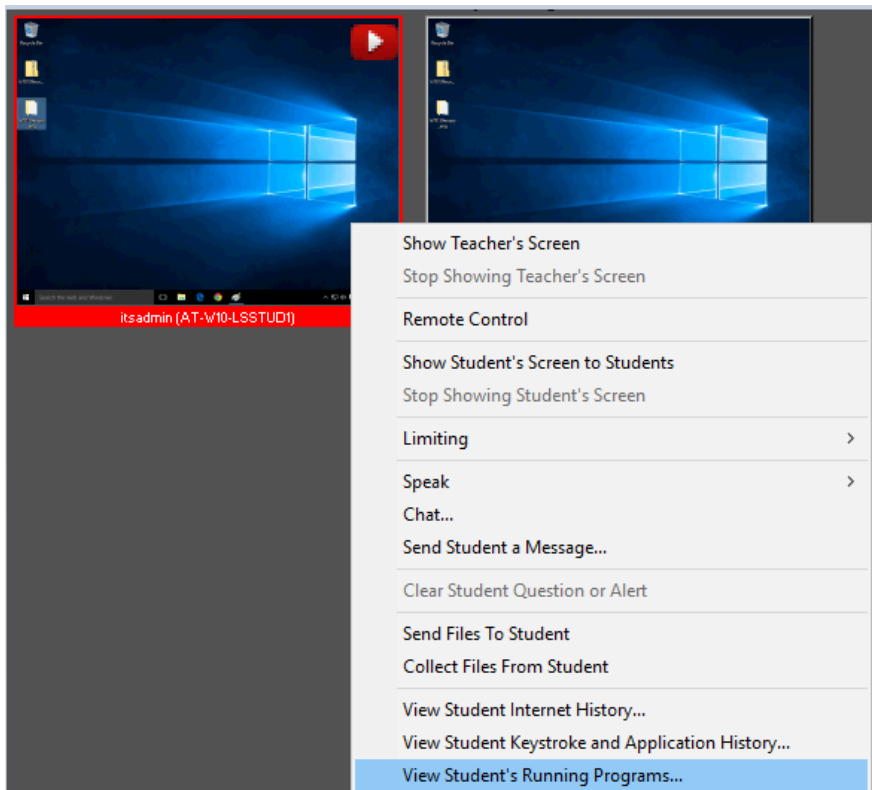
Teachers can view the history of all keystrokes (including UP, DOWN, SPACE, BACKSPACE, ENTER and DELETE) registered by a single Student machine by right-clicking. This data lasts as long as the active session and can be exported as a csv.



Activity Auditing – Currently Running Programs/Websites

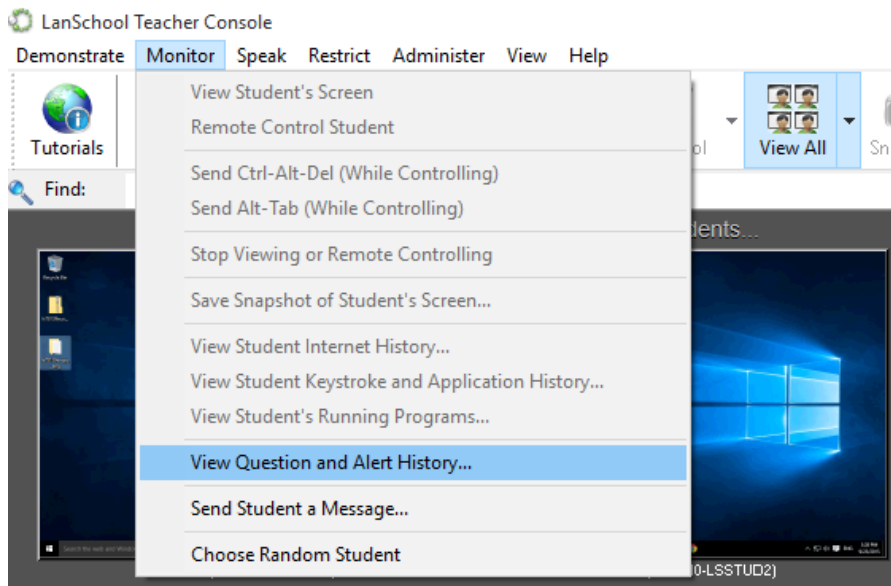
Provides Teachers with a list of currently running processes on a single target Student machine. From here they can 'Block Now' to kill off a process (e.g. closing a browser when a Student should not be using it) or 'Add to Block List' to permanently block a process (e.g. a game brought in via a USB drive).

This will also allow you to view filenames and open websites in use by the Student.



Activity Auditing – Question/Alert History

Gives a list of all messages and alerts received from a Student. This includes Student-to-Teacher messages initiated by the Student, as well as any alerts such as keyword alerts. This historic data lasts as long as the active session and can be exported as a data file.



Students who have had alerts or questions for the Teacher during this session.

Type	Login Name	Machine Name	Time	Question / Alert
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:01:05PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 't**t' which is on the banned word list.
Question	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 04:00:58PM	Can you please help me
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:00:50PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 't**s' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:00:50PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 'p**s' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD2	23-Sep-2015 04:00:40PM	Student 'itsadmin(AT-W10-LSSTUD2)' typed the word 'p**s' which is on the banned word list.
Alert	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 04:00:32PM	Student 'itsadmin(AT-W10-LSSTUD1)' typed the word 's**t' which is on the banned word list.
Question	itsadmin	AT-W10-LSSTUD1	23-Sep-2015 01:28:05PM	Can you help me create a Header in Word?

Locate Student Export...

Pair Teachers Assistant

Allows a Teacher Console to pair with an iPad running the Teachers Assistant iOS companion app. Once paired, the Teachers' Assistant can be used as a second screen for the Teacher Console, allowing them to use it remotely while physically manoeuvring around the room. It can also be used co-operatively alongside the Teacher Console to co-manage the Student machines (e.g. where an actual Teacher's Assistant may also be present in the same room).

Teachers Assistants can oversee the Students in a Thumbnail view and have a similar basic toolset to the Teacher, such as blanking screens, sending and receiving messages, and applying/lifting web/app restrictions. Pairing is handled by a simple PIN authentication on both PC and iPad, which will be provided to both devices when attempting a connection.

