It is important to have a stable Internet connection when using NEWROW_ software. The recommended minimum connection speed is 1.5 Mbps for both directions (upload and download).

There are multiple online tools to check speed of your home connection. To find them just type "internet speed test" in the Google search field.

Google	internet speed test	ا ب ا
	All News Shopping Videos Books More	Settings Tools
	About 21,400,000 results (0.47 seconds)	
	Internet speed test	デ
	Check your internet speed in under 30 seconds. The speed test usual of data, but may transfer more data on fast connections.	lly transfers less than 40 MB
	To run the test, you'll be connected to Measurement Lab (M-Lab) and shared with them. M-Lab conducts the test and publishes all test res research. Published information includes each device's IP address, b information about you as an internet user.	l your IP address will be ults to promote internet ut doesn't include
	About	RUN SPEED TEST
		Feedback
	Speedtest.net by Ookla - The Global Broadband Speed www.speedtest.net/ ▼ Test your Internet connection bandwidth to locations around the world wit speed test from Ookla. You've visited this page 2 times. Last visit: 12/21/17 AT&T High Speed Internet Speed Test speedtest.att.com/speedtest/ ▼ Check the speed, quality and performance of your Internet connection with test.	d Test th this interactive broadband th the AT&T Internet speed
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	Broadband Internet Speed Test by Verizon Official Si https://www.verizon.com/speedtest/ Don't take your internet provider's word for it! Check the speed & quality of connection and see how it compares to Verizon Fios. You've visited this page 2 times. Last visit. 12/21/17	te f your broadband internet
	Internet Speed Test CenturyLink www.centurylink.com/home/help/internet/internet-speed-test.html * The speed test is a snapshot of your service at a point in time. You may w times in a row to see how the results improve. If the results of the speed to here are a few things you can try next to improve your Internet speeds. For Doing a little	 ant to re-run the test a few est are not what you expect, r wired (Ethernet) connections.

Most of them do not require any downloads. <u>www.speedtest.net</u> – is very simple to use. It is important to have a stable Internet connection when using NEWROW_ software. To optimize your network performance:

- 1. Close other open browser windows and tabs as well as all other programs that are connected to the Internet (e.g. Outlook, Skype etc).
- 2. Check with all other users on the same Internet network (home wireless). Is anyone downloading a large file or streaming video, for example? That will take more bandwidth from the network.

When joining a newrow_smart room for the first time you will automatically be prompted to give permission to access your webcam and microphone.

Once you give permission to access your webcam and microphone, you are automatically added to the stage.

The newrow.com website will automatically connect you camera and microphone when next time you join a newrow_ smart room from the same browser.

There are a few simple steps to check if your browser is configured correctly.

<u>Chrome</u>

1. Go to Chrome settings:



2. From the drop down menu select "Settings" and scroll down to "Advance" then click "Content settings"

Q Search settings	
Use current pages	
Advanced Advanced Advanced	
Google Chrome may use web services to improve your browsing experience. You may optionally disabl services. Learn more	e these
Use a web service to help resolve navigation errors	
Use a prediction service to help complete searches and URLs typed in the address bar	
Use a prediction service to load pages more quickly	
Automatically send some system information and page content to Google to help detect dangerous apps and sites	
Protect you and your device from dangerous sites	
Automatically send usage statistics and crash reports to Google	
Send a "Do Not Track" request with your browsing traffic	
Use a web service to help resolve spelling errors Smarter spell-checking by sending what you type in the browser to Google	
Manage certificates Manage HTTPS/SSL certificates and settings	
Content settings Control what information websites can use and what content they can show you	Þ

3. On the next screen you need to check settings of your camera and microphone.

÷	Content settings	0
٩	Cookies Allow sites to save and read cookie data	*
0	Location Ask before accessing	۲
	Camera Ask before accessing	•
Ŷ	Microphone Ask before accessing	•
	Notifications Ask before sending	•
$\langle \rangle$	JavaScript Allowed	•

Flash

Click on the "Camera" and make sure that you camera is not blocked. Check if newrow.com is in the list of allowed websites.

~	Cam	nera	
HD	Webo	cam C615 (046d:082c) 🔻	
Ask be	efore	e accessing (recommended)	
Block			
	f	https://www.facebook.com:443	Î
Allow			
	ß	https://docs.google.com:443	Î
	ß	https://hangouts.google.com:443	Î
	-	https://smart.newrow.com:443	Î
	ß	https://backend.wiziq.com:443	Î
	ß	https://live.wiziq.com:443	Î

Click the "Microphone" and make sure that you microphone is not blocked and the newrow>com is in the list of allowed sites. If you have more than one microphone connected to your computer select one you are going to use when you are in class.

←	Micr	ophone	
Mie	cropho	one (Logitech Wireless 👻	
Ask l	oefore	accessing (recommended)	
Block	c		
	ß	https://diagnostics.russianschool.com:443	Î
Allov	/		
	f	https://www.facebook.com:443	Î
	ß	https://docs.google.com:443	Î
	ß	https://hangouts.google.com:443	Î
	G	https://www.google.com:443	Î
	ß	https://demo.learn-cube.com:443	Î
	-	https://smart.newrow.com:443	Î

<u>Firefox</u>

1. Go to Firefox settings:



2. From the drop down menu select "Options" then click on Privacy



Scroll down and check settings of your camera and microphone.



Click "Settings" to make sure that the smart.newrow.com website is allowed to use your camera.

Settings - Camera Permissions		×
The following websites have requested to access your camera. You ca allowed to access your camera.	an specify which websites are	
Website	Status 🔺	
https://smart.newrow.com	Allow 🗸	

Then click microphone settings. You will see the same picture for your microphone.

<u>Live class</u>

Click the circle on the top screen menu.



Check devices (camera and microphone) used in the class.

Settings		
Device settings		
Select webcam		
HD Webcam C615 (046d:	082c) 🔻	
🌷 Select microphone		
Microphone (Logitech Wi	ireless I 💌	
Class mode		
Virtual classroo Prompt participants to webcam and have the the stage automatical mode for interactive	om to join with em added to illy. Perfect classes.	

The class mode is "Virtual classroom".