



## Bandwidth Requirements:

Each Video stream takes approximately 96 kbps. A student will typically be watching just the teacher and possibly one other student.

Due to rich feature set associated with MyChinses360 and the incumbent bandwidth requirements we suggest performing a speed test of the anticipated delivery environment. This test should be performed over several days at different periods of the day utilizing tools such as that available at <http://www.dslreports.com/stest> (click on the Flash 8 plugin based speed test and select an available server YOU SHOULD CHOOSE THE SAME SERVER in order to determine the impact that Local Area Network as well as typical ISP utilization has on your available Bandwidth.

Chart the data as in the example chart below:

| Date     | 00:00 | Server             | Latency to Server | Download Speed | Upload Speed |
|----------|-------|--------------------|-------------------|----------------|--------------|
| 07/13/10 | 08:50 | ISP, Parsippany NJ | 24ms              | 1167 Kb/s      | 976 Kb/s     |
| 07/13/10 | 09:40 | ISP, Parsippany NJ | 16ms              | 1073 Kb/s      | 917 Kb/s     |
| 07/13/10 | 11:30 | ISP, Parsippany NJ | 47                | 72Kb/s         | 335 Kb/s     |
| 07/14/10 | 09:10 | ISP, Parsippany NJ | 39ms              | 219 Kb/s       | 960 Kb/s     |
| 07/14/10 | 10:50 | ISP, Parsippany NJ | 125ms             | 221 Kb/s       | 1390 Kb/s    |
| 07/15/10 | 09:10 | ISP, Parsippany NJ | 39ms              | 219 Kb/s       | 960 Kb/s     |
| 07/15/10 | 10:50 | ISP, Parsippany NJ | 125ms             | 221 Kbs        | 1390 Kbs     |