

LANSchool and IP-Subnets

LANSchool assumes all student machines will be on the same IP-subnet as the teacher machine. Starting with build 6.0.2.5, it is possible for the teacher to live on a different subnet from the students, as long as:

1. IP-Multicast is enabled
2. The teacher's subnet is only one "hop" from the student subnets

It also is assumed that there is a TCP/IP path between all student and teacher machines. This means you should be able to "ping" any student machine from the teacher machine and "ping" the teacher machine from any student machine.

Some VLAN hardware will make the teacher's subnet unreachable from the students' subnet. For this environment to properly function with LANSchool, the VLAN must be configured to forward IP Multicast data in the address range of 239.0.208.0 to 239.0.208.255. It also must allow all traffic on port 796 (0x031C) (either source or destination) to freely move between the subnets. If this cannot be configured, LANSchool will not properly function.

If only the IP-Multicast data can get through, then the teacher can still broadcast her screen to the students and blank all student screens. However, the teacher will not be able to View the Student List, so will not be able to remotely view student screens or remotely unload a student from the LANSchool class.