



# Discovery Education *streaming*

## Firewall/Filter Exceptions

If you are experiencing site issues where you cannot stream any videos, you are logged in as someone else, or you are stuck on a page, your school or district may have to add an exception for the listed range of Internet Protocol (IP) and Uniform Resource Locator (URL) on your Firewall or Network Cache.

A *Firewall* does an acceptable job of protecting your computer against many backdoor communication attempts. Many applications that require a firewall exception to be added will do so automatically during installation, however sometimes you will need to manually allow an application to have access to the internet. Our Server/Network Manager software will require such an exception in order to function properly.

*Caching* is the technique of storing frequently visited information in a location close to the requester. A *Web cache* stores Web pages and content on a storage device that is physically or logically closer to the user-closer and faster than a Web lookup. By reducing the amount of traffic on overburdened Web servers, caching provides significant benefits to ISPs, enterprise networks, and end users. Our site is dynamic and to maximize its use, we strongly recommend that it be excluded from any existing caching device. The listed tasks can be accomplished by adding an exception for the listed range of Internet Protocol (IP) and Uniform Resource Locator (URL).

**199.199.210.0/70**  
**205.234.248.0/170**  
**204.246.96.0/170**  
**204.246.120.0/170**

Or if a specific breakout is needed (www. would not be required)

**discoveryeducation.com**  
**pas.discoveryeducation.com**  
**streaming.discoveryeducation.com**  
**mycontent.discoveryeducation.com**  
**search.discoveryeducation.com**  
**player.discoveryeducation.com**  
**connect.discoveryeducation.com**  
**students.discoveryeducation.com**  
**cpanel.discoveryeducation.com**  
**mobile.discoveryeducation.com**

Please note that it may be necessary to include read-ahead cache. This network cache may be at your location or upstream, at your Internet Service Provider (ISP).

For the Adobe Flash (.flv) video format, port 1935 is used for the RTMP (Real-Time Messaging Protocol), and will need to be opened in your firewall. With "Stateful Inspection" firewalls, traffic is inspected and non-HTTP traffic may get rejected; potentially preventing communication over RTMP even if the proper port is open. Consult the documentation for the particular firewall to determine how to configure it to allow RTMP traffic.