



Added Value Network Services for Schools – *some thoughts*



Rob Symlerlist

Schools Networking Coordinator

United Kingdom Education & Research Networking Association

r.symlerlist@ukerna.ac.uk



How can NRENs help the schools sector?

NRENs can provide

- Services that are *not available* locally or regionally
- Services that could meet a common need *within* the sector
- Common services that are also needed by *other* sectors

This all depends on the level of management that the NREN has over the school network. Some NRENs support schools directly, others (including UKERNA) do not.



Services that are *not available* locally or regionally

- Access to the resources of universities and colleges
- Connections to schools in other NRENs
- Access to research groups and national resources
 - Space Centre e-Missions
 - <http://www.spacecentre.co.uk/education/challenger/e-missions.htm>
 - Telescopes, Great Barrier Reef
- Expert Support, Advice and Guidance
 - Networking,
 - Quality of Service, IPv6, Multicast
 - Voice and Video
 - Video Streaming, Videoconferencing and VoIP in some areas



Services that could meet a common need *within* the schools sector

- Content Services
 - Content Access, Content Quality Approval
- Media Streaming
- Videoconference management
 - IP-ISDN Gateway and ISDN Billing
- Collaboration Service
 - For all education and research?
- Authentication and Authorisation
 - Single Sign On (Regional, National, International?)



Common services that are also needed by *other* sectors

- Gateways
 - Education and Health sectors
 - For example: to enable Learning & Teaching for Children's Hospital Schools
- Directory Services
 - Education sector (Content customers/providers)
 - Museums etc. sector (Content providers)
- Videoconferencing Services
 - Education, Museums, Health

JANET Schools www.ja.net/schools/

Videoconferencing Services Pilot www.ja.net/schools/vc/

VCSP documents www.ja.net/schools/vcsp/