



ANSI Committee on Education

Standardization Case Studies

ACCOMPANYING QUESTION AND ANSWER WORKSHEET

As appropriate, please suggest recommended study, test or quiz questions / answers to accompany the case study proposed above.

Proposed Question	What does VRML stand for?
Proposed Answer	Virtual Reality Modeling Language

Proposed Question	Identify three reasons why VRML needed updating?
Proposed Answer	<ol style="list-style-type: none"> 1) Dramatic improvements in the capabilities of graphics hardware; 2) Emergence of new internet technologies; and, 3) Evolving and disparate 3D application needs.

Proposed Question	Name four organizations that collaborated on a new 3D language?
Proposed Answer	INCITS, ISO, IEC, and Web3D

Proposed Question	What was the new 3D language nicknamed?
Proposed Answer	X3D (Extensible 3D)

Proposed Question	What did the first X3D standard achieve?
Proposed Answer	Sharing interactive 3D graphics on the internet, between applications, and across distributed networks and web services.

Proposed Question	What formats are the most recent X3D standard available in?
Proposed Answer	XML, compressed binary, and classic VRML formats.

Proposed Question	In what fields does X3D have broad application?
Proposed Answer	Science and engineering, modelling and simulation, computer aided design (CAD), healthcare, mixed augmented and virtual reality, geospatial presentations, and education and training.

Please return completed Project Worksheet to training@ansi.org.

Questions can be directed to [Lisa Raichel](mailto:Lisa.Raichel@ansi.org) (212.642.4932)