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Next Generation Learning

Visions • Innovations • Possibilities

Virtual Field Trips for Teaching and Learning

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Background

- ASEAN Vision of 2020
 - To establish "A Zone of Peace, Freedom, and Neutrality", bonded together in partnership in dynamic development and in a community of caring societies (Kuala Lumpur Declaration, 1971)



ASEAN Community

- Is comprised of three pillars
 - ASEAN Political-Security Community (APSC)
 - ASEAN Economic Community (AEC)
 - ASEAN Social-Cultural Community (ASCC)
- One of Key aspects: culture learning and sharing



Field Trips vs. Virtual Field Trips

- **Field Trips (FTs)**
 - Lead learners to interact with what they are really learning & learning experience go beyond reading
 - Bridge formal & information learning & prepare learners for lifelong learning (Ththil & Klemm, 2002).
- **Virtual Field Trips (VFTs)**
 - Help educators to overcome some of concerns and difficulties related to field trips such as lack of funding, resources, logistical and preparation problems.



Virtual Field Trips (VFTs)

- Was first appeared around 1995, and have gained in popularity since 2000 due to the power of technology.
- VFTs or Electronic field trips (EFTs) are used to describe a broad range of multimedia integration.



VFTs - Definitions

- Consist of set of links and/or navigation buttons that provide users to move through on Web pages with a particular theme which can be used in either blended course or online course (Foley, 2003).
- Is commonly used to describe "any activities on computer that a user browses, step-by-step, link-by-link, click-by-click through a set of linked web-pages to acquire information about a field site or location" (Qiu & Hubble, 2002, p. 76).



VFTs - Definitions

- Is "an interrelated collection of images, supporting text and/or other media, delivered electronically via the WWW, in a format that can be professionally presented to relate the essence of a visit to a time or place" (Nix, 1999, p. 1).



VFT – Characteristics

- Extracting key aspects from these definitions, VFTs involve electronic travel via the Internet, beyond the classroom in either place or time for the purpose of learning and teaching.



VFT – Characteristics

- Is distinguished from “Virtual Reality”.
- VFT is simply “an attempt to place further autonomy in user’s hand, by allowing observations to be made without being on the actual site or having a lecture at hand to explain” (Stainfield, et al., 2000, p. 256).



VFTs – Advantages

- VFTs are powerful tools for reforming teaching & learning in higher education.
- VFTs solve many instructional & logistical problems report by teachers as associated with actual field trips.
- VFTs provide “a way to transport the class to community professionals who are able to powerfully demonstrate the value and utility of what is being learning in the course” (Cox & Su, 2004, p. 113).
- VFTs facilitate high quality learning experience by integrate VFTs into curriculum (Adedokun, et al., 2011; Cox & Su, 2004; Malewski, et al., 2005; Stainfield, et al., 2000)



VFTs - Disadvantages

- Students may or may not be comfortable using the necessary hardware or software.
- Students and teachers must have access to a computer & Internet either at home or at school.
- Development & Network access costs.



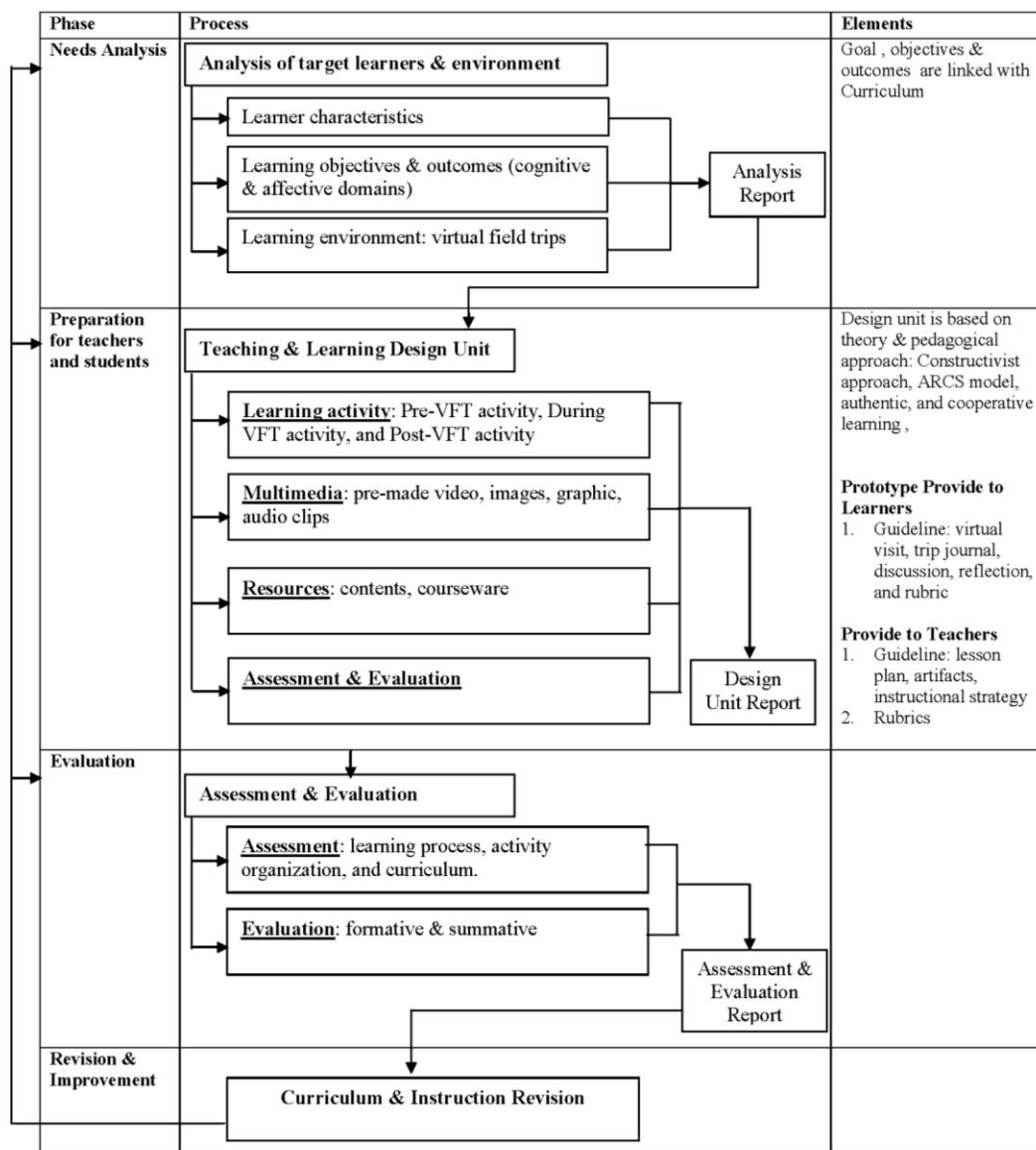
Core Elements of VFTs

- Clear goals, objectives and learning outcomes
- Linked to the curriculum
- Authenticity
- Collaboration between teachers, students, & field site experts
- Interactive multi-media technology
- Pre-VFT activity, during-VFT activity, & post-VFT activity support
- Theory based pedagogical approach
- Assessment & Evaluation

Source Adapted from (Adedokun et al., 2011; Hovell, 2003; Stoodard, 2009).

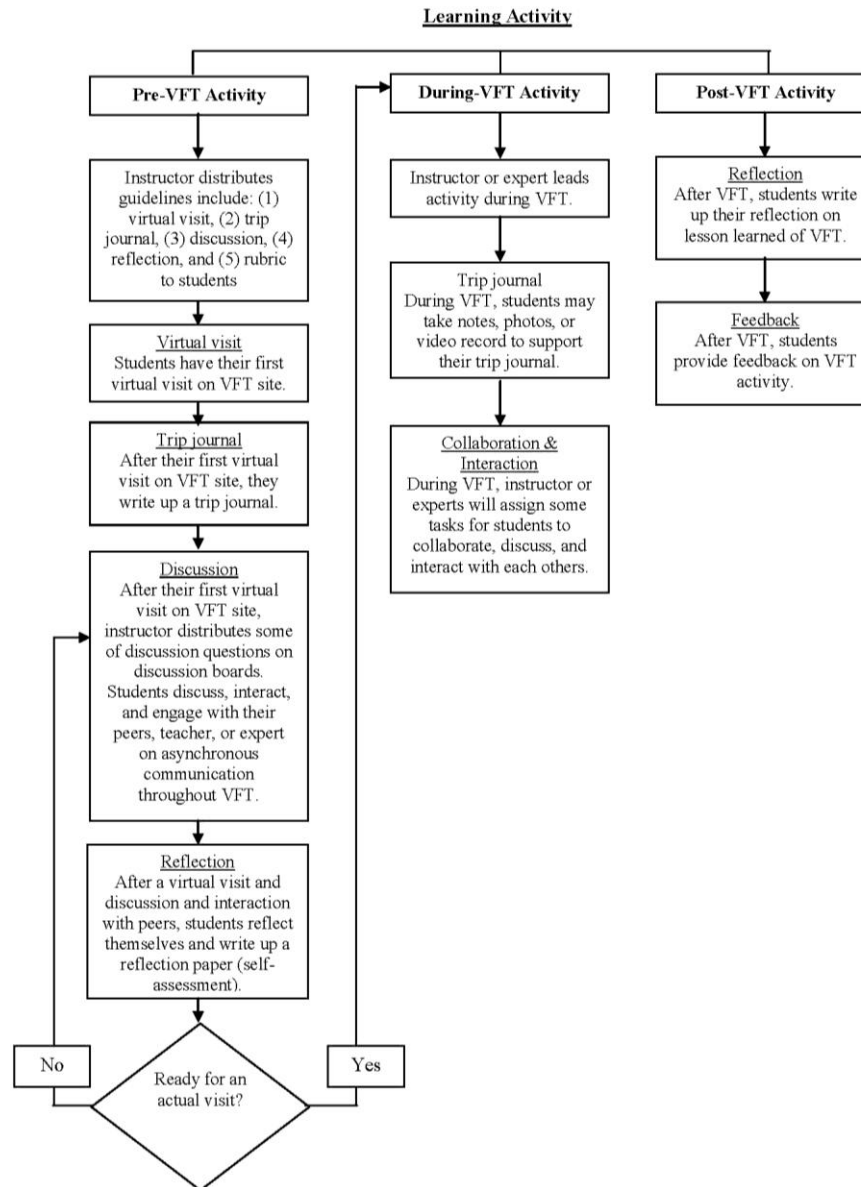


ASEAN Virtual Field Trips Program Model





VFT Learning Activities





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Question or Comments?



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