

3-D Mosquito ID Project – Alice Anderson

- a) 20 interactive mosquito models
- b) Teaching issues
- c) Computer-aided learning
 - i) Z-stack technology provides focus through all levels of picture
 - ii) Need both integrated and objective learning for understanding
 - iii) Animated sequences good for learning complex biological systems
 - iv) Balance needed between animation, interactivity, and fidelity
- d) Modeling process
 - i) Reared mosquitoes from larvae
 - ii) Photographs using z-stack method
 - iii) Sent to art student for wireframe construction (8-10 hour rendering process)
 - iv) Used 3-D StudioMax on a Macintosh
 - v) Editing Editing Editing for taxonomic correctness
 - vi) Converted files to flash format – too many details lost
 - vii) On-going process