

1125-00-1951      **Girija Sarada Nair-Hart\*** (nairhaga@uc.edu). *Fostering concept modification through Light Board technology.*

Technology can promote concept modification by increasing the momentum to effectively complete the cycle of accommodation and equilibration of new concepts. To overcome misconceptions, a student may need to interact with alternate explanations and figures and diagrams multiple times. Light board videos are easy to construct and edit and the text or sketch stays visible while it is produced. Students appear to be more inclined to watch these high quality, colorful videos in which their instructor's face remains visible throughout the presentation. The increased attention and mind capture made possible by light board technology can thus expedite concept modification in learners. (Received September 19, 2016)