

To explore the effects of Web-based instruction (WBI) on Solar Eclipse and Lunar Eclipse for deaf and hard of hearing learners, we will present:

- The major objective to develop Web based lessons on the natural science "Solar Eclipse and Lunar Eclipse" for deaf learners.
- The design issues associated with the development of Web-based Instruction such as the accessible Web page, the user interface and the content analysis.
- The evaluation method and the results.

The findings indicate that the incorporation of WBI techniques into science courses may benefit D/HH college students; yet, the mechanisms by which WBI tools affect student outcomes require elucidation. We recommend that widespread implementation of WBI for deaf people follow only from systematic evaluation of its efficacy across various educational settings, student populations, and social conditions. Finally, some key research findings are summarized, suggesting that this instructional design may be more effective than the facilitated small group for promoting creative ideas, as well as being more efficient and multipliable.