The Active Earth Display is an interactive computer-based display for formal and informal learning educational organizations (small museums, visitor centers, schools and libraries). It runs in a web browser using kiosk mode. The display consists of a customizable set of 76 web pages that describe a range of topics including tectonic regions (e.g. Cascadia, Basin and Range), real-time seismicity and seismic recordings and the EarthScope project. Low-cost and simple-to-implement, the Active Earth Display provides a way to engage educational audiences with earth science information without spending resources on a large exhibit.

Currently in production, the EarthScope Content Module consists of chapters that focus on What is EarthScope?, EarthScope Observatories, and EarthScope Science Results. Content topics are easily explored using a web page button type navigation interface via a touch screen or mouse. A formative evaluation of general public users informed the interface design.

Chapters in the EarthScope Content Module start with a general overview and proceed to detailed specifics. Each chapter utilizes at least one set of live research data (often more than one). This exposes the general public to active ongoing research that is engaging, relevant to the individual user, and explained in easy to understand terms. All live content is updated each time a user accesses the individual page displaying the live data.

All scientific terms are defined using pop-up boxes. Leading questions are presented allowing the user to examine the content before accessing the answer via pop-up box. Diagrams and charts of research data have explanatory keys that allow users to self explore all content.

Additional content pages can be created and inserted in the Active Earth Display by utilizing the Style Sheet templates or by simple html coding.