

Earth Science by Design Handbook for Professional Developers

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Summary

Earth Science by Design makes a crucial contribution to improving the knowledge of our science teachers and their students, our future citizens and decision-makers. Teachers who participate in Earth Science by Design increase their understanding of "Earth as a system," and learn how to implement the latest approaches to inquiry-based pedagogy using web-based visualizations of Earth processes. Teachers learn by doing, by designing and teaching units of study that focus on the "big ideas" in Earth system science, then sharing, discussing and refining them with their colleagues.

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