PLANET EARTH ONLINE

INSTRUCTOR GUIDE

MODULE 3: DIVERGENT BOUNDARIES

LEARNING OUTCOMES

- Use lithospheric age data to predict how continents may have shifted in the past.
- Identify locations on Earth now undergoing extension.

MODULE CONTENTS

- Activity 1: Explore Divergent Boundaries
    - o Instructions: Use Google Maps and Google Street View to identify characteristic features of divergent boundaries
- Activity 2: Sea Floor Bathymetry vs. Magnetic Stripes
    - o Instructions: Use image slider to compare Sea Floor Bathymetry and Magnetic Stripes imagery of a divergent boundary
- Activity 3: Explorer Ridge Hydrothermal Vents
    - o Instructions: Watch videos that illustrate the phenomenon of hydrothermal circulation at submerged mid oceanic ridges
- Activity 4: The Age of the Crust
    - o Instructions: Navigate interactive globe to explore the age of the Earth's oceanic and continental lithosphere

- Download SCORM package from https://planetearth.utsc.utoronto.ca/mod3.html
- Blackboard Learn Users:
  - https://help.blackboard.com/Learn/Instructor/Course_Content/Create_Content/Add_Content_Packages
- Moodle Users:
  - https://docs.moodle.org/19/en/Adding/editing_a_SCORM
- Canvas Users:
  - https://community.canvaslms.com/docs/DOC-10312-4152340211