

# Walking Through the Curriculum

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Each student will use a science notebook for the activities in this module. Have the students note the date and time and use headings for each activity or experiment.

Prior to teaching the lessons, administer the pre-assessment test.

Be sure students read the introduction letter on the student page and relay some of the information from the Background Information section to your students. Introduce new vocabulary from the list included in the module.

Perform the “Hot and Cold Water” teacher demonstration for your class. “Convection” is the first activity students will conduct themselves.

The “Steep Fire, Flat Fire” demonstration along with the inquiry questions will be performed next. Please pay attention to safety precautions mentioned in the instructions.

Lead the “Energy Transfer” activity as a review to help your students grasp the concepts of convection, conduction, and radiation. Be sure to discuss how energy transfer relates to wildfires.

The last part of the module focuses on protecting homes from wildfire. Students will be introduced to important concepts to mitigate fire damage to personal property. “Firewise” is the first activity students will complete, followed by the “Defense by Diorama” activity.

Once the classroom aspects of the module are complete, the students are ready to participate in a service-learning day.

Administer the post-assessment at the end of the module.