

Earth Mastery!

Lead the way to Earth Care



Our Earth One People Our Future



New Mexico
Solar Energy
Association

Earth Mastery is a program of the New Mexico Solar Energy Association
Promoting Solar and Sustainability since 1972

Special thanks to: _____ for making this course possible.

Deep, deep thanks to the University of Oregon for their work on the *Climate Masters* course as a basis for this course, and Santa Fe Watershed Association for keeping it alive in New Mexico.

Thanks to our sponsors: Southwest Cyberport, Affordable Solar

Earth Mastery Syllabus 2019 -

The 2019 session of the Albuquerque Earth Mastery course covers approximately 30 hours of in-class and outdoor programming over an 11-week time frame. Upon completion of the program, participants implement their 30-hour service project in the community and their plan to shift to clean energy.

Classes will be held Tuesday Evenings, 5:45-8:00 @ Ideas and Coffee Co-Working Space - 5021 Indian School
Field Trips will be on Saturdays arranged by class. Schedule in draft form and is subject to change

Week 1 - March 12 - Course introduction and Introduction to Earth Care i.e. Addressing Climate Change

Topics Objectives and expectations of the Earth Mastery program ▪ Getting to know other participants ▪ Completion of paperwork ▪ Overview of climate change science

Week 2 - March 19 - Home Energy

Topics Our local energy portfolio and the regional power grid ▪ Reducing energy use in home and water heating, lighting, and appliances ▪

Preparation Find your latest energy bills and bring them to class ▪ Read Section on Home Energy ▪

Week 3 - March 26 - Clean Energy

Topics Solar Basics ▪ Local electric utility options for renewable energy ▪ Options at home: incentives, priorities (start with efficiency!)

Preparation Calculate the cost of renewable energy for your home, such as electric solar panels or thermal solar.
Read section on renewable energy

Week 4 - April 2 - Transportation

Topics Local transportation options: bike resources, carpools, public, and group-pass programs ▪ Driving tips for reducing emissions ▪ Electric ▪ Planes, Trains, or Automobile for mid to long distance transportation ▪ Carbon Offsets

Preparation Chart the miles you drive in a week, the purpose, and the number of passengers you carry ▪ Read section on transportation

Week 5 - April 9 - Food

Topics Buy Local ▪ Food emissions along the supply chain ▪ various modes of transportation of our food (air, truck, rail, and barge in descending order of fuel efficiency) means that closer doesn't always equal fewer emissions.

Preparation Take a picture or write a list of everything you eat in a day or a week ▪ Read section on food

Week 6 - April 16 - Yard and Garden

Topics Composting ▪ Low-emissions yard care ▪ Trees ▪ Home gardens—feeding yourself over winter, or putting the garden to bed ▪ Permaculture

Preparation Walk through your yard and consider the steps involved in its maintenance ▪ Read section on yard emissions

Week 7 April 30 - Activism Training and Optional Potluck

Topics Making your voice heard ▪ Land use and planning in relation to climate change ▪ legislation and more

Week 8 - May 7 - Consumption, Waste, Green Building

Topics Embodied emissions ▪ Recycling and precycling ▪ Voluntary simplicity ▪ Energy in buildings and building materials ▪ Green building

Preparation Track your purchases and waste for a day ▪ Read section on green building on consumption and waste

Week 9 and 10 - Field Trips - Yard and Garden (Wear sun gear), Farm to Table, or Hike into Santa Fe
Upper Watershed TBD

Facilitator Schedule:

Week 1 - March 12 - Course introduction and Introduction to Earth Care i.e. Addressing Climate Change

Facilitator -

Presenter(s) - Tom Solomon

Week 2 - March 19 - Home Energy

Facilitator -

Presenter(s) - Athena Christodoulou

Week 3 - March 26 - Clean Energy

Facilitator - Nick Kadlec

Presenter(s) - Mark Gaiser

Week 4 - April 2 - Transportation

Facilitator - Shihlin Lu

Presenter(s) - Tom Solomon/ Randy Brost/Athena Christodoulou

Week 5 - April 9 - Food

Facilitator - Lois Fuller/Natasha Phelps

Presenter(s) -

Week 6 - April 16 - Yard and Garden

Facilitator - Sara Seifried/Lois Fuller

Presenter(s) -

Week 7 April 30 - Activism Training and Optional Potluck

Facilitator - Athena Christodoulou

Presenter(s) -

Week 8 - May 7 - Consumption, Waste, Green Building,

Facilitator - Leila Salim

Presenter(s) -

Week 9 and 10 - Field Trips - Yard and Garden (Wear sun gear), Farm to Table, or Hike into Santa Fe Upper Watershed , Water Treatment plant

1. TBD

a. **Facilitator -**

b. Presenter(s) -

2. TBD

a. **Facilitator -**

b. Presenter(s) -