



Climate Friendly Families and Friends Make a Big Difference Join the Challenge

Follow the footprints



It's fun and easy

Pick up your
free Activity Booklet
from the Rangers

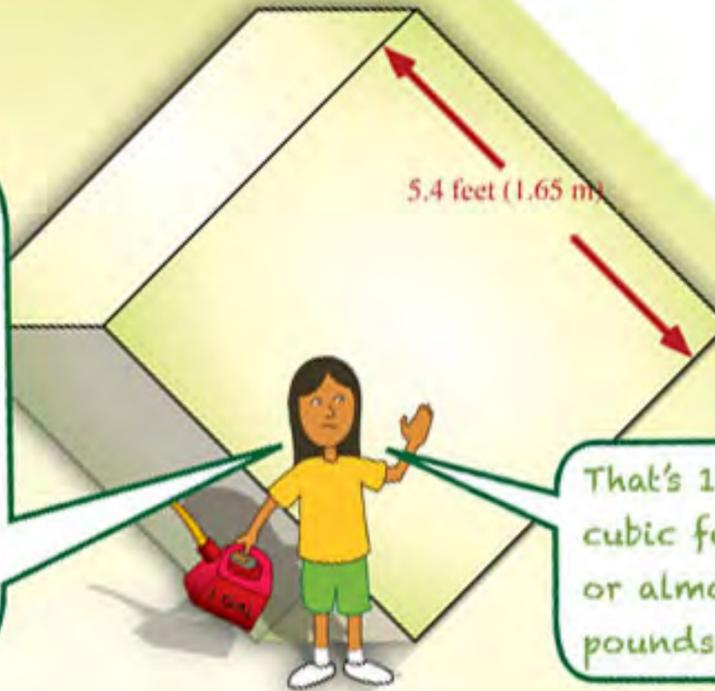


Complete the activities and
earn a cool
Climate Friendly Reward

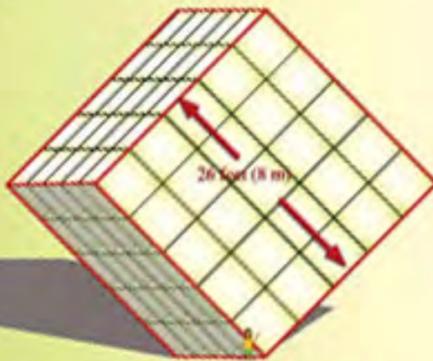




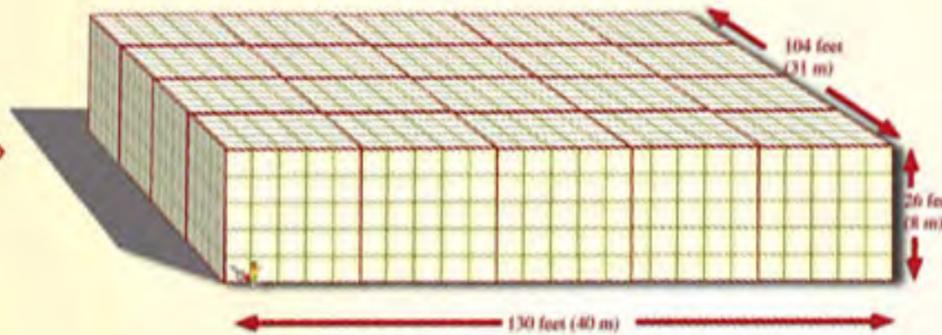
When just 1 gallon of gasoline is burned, it releases enough CO₂ gas to fill this big box!



That's 172 cubic feet or almost 20 pounds of CO₂.



1 ton of CO₂



To sustain just one person, the U.S. produces 20 tons of CO₂ each year!



Every year, USA produces enough CO₂ to cover our entire surface with 1 foot of pure CO₂!

So, what can we do with the CO₂ we've produced?

PLANT MORE NATIVE TREES!

Just one mature koa tree absorbs and stores 44 pounds of CO₂ every year!



Kickin' Carbon to the Curb

Calculate your car's carbon dioxide footprint.

Use this map to add up the number of miles you drove to get here today.



Estimate your vehicle's MPG (Miles Per Gallon)

Hybrid		45+ MPG
Compact		30 MPG
Mid-sized		20 MPG
Pick-up/Van		15 MPG
Luxury and SUV		12 MPG

Use this formula to calculate your vehicle's CO₂ emissions:

- ___ miles driven divided by ___ vehicle's MPG = ___ gallons of gasoline used
- ___ gallons of gasoline used X 2 (for round trip) = ___ total gallons
- ___ total gallons X 19.56 lbs (CO₂ emitted from one gallon of gas) =
- ___ pounds of CO₂ emitted on your trip

Volcanoes produce far less CO₂ than we do!



Kilauea volcano emits about 3 million tons of CO₂ each year.



Much more CO₂ is produced to support the lifestyles of all 185,000 people living on this island for one year!



When combined, all volcanoes on Earth emit about 150-260 million tons of CO₂ each year.



Humans contribute more than 100 times more CO₂ than Earth's volcanoes; about 35 BILLION tons annually!



SCAVENGER HUNT



Look for the GREEN FOOTPRINTS
Find ways the park is reducing
greenhouse emissions.

The three most common sources of CO₂ are:

TRANSPORTATION



SOLID WASTE



ENERGY





Footprint Calculator

Assign points to each of the following practices. Be real, be honest!

Add up your scores to see how climate friendly your family is.

Scoring: 0 Never do this
1 Sometimes

3 Usually do this
5 Always do this

At home:

- Reduce, Reuse, Recycle (R3)
- Don't waste water; take short showers
- Turn off lights/electronics if not in use
- Use only compact fluorescent light bulbs
- Prepare fresh foods at home, limit fast foods
- Have a family garden and a compost system

At school/work:

- Walk, carpool or ride the bus
- Take reusable lunch containers
- Carry your own water bottle
- Be good R3 role models

Leisure Time/Travel/Transportation:

- Use "high miles per/gal." vehicles
- Plan a "Stay-cation"
- Fly only when you have to
- Practice "Leave No Trace"
- Enjoy non-motorized sports
- Turn off the engine, no ideling

Shopping:

- Buy R3 products!
- Take reusable bags to carry purchases
- Buy locally produced foods/products
- Buy items with less packaging

Score Results

- 0 - 24 You can do lots more to help our planet. Make a plan!
- 25 - 49 You've taken a step or two, but you have a way to go.
- 50 - 74 You've got the right idea. You can do this!
- 75 - 100 You're making a positive difference!
- 100 + Your family gets it! Find ways to inspire others!

