Green Teacher’s past climate change education publications

By Tim Grant, January 8, 2019
9 Climate Change Education Webinars

Deep Climate Change Education: Learning and Teaching for Personal and Social Transformation, Presenters: David Selby and Fumiyo Kagawa

Depaving: A New Way to Change Cities from Grey to Green, Presenter: Alix Taylor

The Importance of Place in Climate Change Education, Presenter: Kristen Iverson Poppleton

Energy Education: How & Why?, Presenter: Pat Higby

Teaching STEM with Wind and Solar Energy, Presenter: Joe Chavez


Changing Energy Behaviors in Schools and Communities, Presenter: Karen Reagor

Greening Education with Courage and Compassion, Presenter: Julie Johnston

The Power of Positive, Inspiring Solutions, Presenter: Guy Dauncey
Our new titles

Teaching Kids About Climate Change
Edited by Tim Grant
A Green Teacher Publication
June 2018, 80 pages

Teaching Teens about Climate Change
Edited by Tim Grant and Gail Littlejohn
December 2017, 80 pages
Is Climate Change Good for Us? by Jackie Oblak
An activity for exploring how changes in climate could affect daily life and influence the economy of a region

Gases and Greenhouses by Gail Littlejohn and Alex Waters
Simple Activities for Exploring Key Concepts

Weathering Climate Confusion Activity by David Selby and Fumiyo Kagawa
How learning spaces can help to avoid the worst scenarios now before us and four learning activities to engage young people

The Carbon Dioxide Game by Sashi Kaufman
A fun, active outdoor game for helping students visualize how human activities enhance the natural greenhouse effect

Feeling the Heat by Susan Ferguson
A student-centered approach to reducing the urban heat island effect on campus

Acting out Energy Forms by Arianna Aleksandra Grindrod
A pantomime activity for teaching about different forms of energy

Food and Climate Change by Susan Rauchwerk
A lesson that helps grade 3 - 8 students appreciate the impact our food system has on climate change

Climate Change and Regional Geography by Talia Miller
Climate change can bring an immediate and pressing relevance to geography study, coaxing new ideas out of worn textbooks

Climate Change Treasure Hunt by Chris Summerville
An engaging, awareness-raising activity that can be used on school campuses and at nature centres and other sites

(TOC continues on next slide)
Follow the Light Energy from the Sun by Katie Frey and Leah Duran
Simulating greenhouse gas emissions via kinetic learning

A New Kind of Bus Afoot by Elise Houghton
Walking school buses — reducing carbon emissions the old-fashioned way

Green Commuting Challenge by Duke Davidson
How a suburban middle school radically increased the number of students walking and reduced car traffic to the school

Investigating Public Transit by Tim Grant and Gail Littlejohn
Activities that familiarize young people with local transit services

Solar Box Cooking by Sue LeBeau
A tasty introduction to the practical use of passive solar energy

A Lean Green Solar Harvesting Machine by Mark Walker
Making solar energy teaching more fun by using invisible forces to power race cars

Carbon Cycle Game by Pamela Miller
A simulation game that encourages 11-15 year olds to learn about the systems that influence climate change

Active Students Passive Solar by Nelson Lebo
A renovated passive solar home serves as a unique backdrop for teaching elementary science and math

Getting into Hot Water by Joe Umanetz
A hands-on home and school activity that promotes energy and water conservation

Renewable Energy: K-12 Activities by Sue LeBeau

Engineering to do Nothing by Susan Lewicki
Put to work the basic astronomy knowledge of 10-14-year olds in teaching passive solar house design
Is Climate Change Good for Us?

An activity for exploring how changes in climate could affect daily life and influence the economy of a region

<table>
<thead>
<tr>
<th>Type of Climate Change</th>
<th>How would it affect me?</th>
<th>How would it affect things around me?</th>
</tr>
</thead>
<tbody>
<tr>
<td>More rainstorms or snowstorms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less rainfall or snowfall</td>
<td></td>
<td></td>
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<tr>
<td>More sunshine</td>
<td></td>
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<tr>
<td>Higher daytime temperatures</td>
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</tbody>
</table>
The Carbon Dioxide Game

A fun, active outdoor game for helping students visualize how human activities enhance the natural greenhouse effect.
Acting Out Energy Forms
A pantomime activity for teaching about different forms of energy

1. **Kinetic energy** is energy in motion (pretend to power walk).
   **Mechanical energy** is energy that is a moving object (pretend to throw a ball).
   **Electrical energy** is energy that is electrons moving through wires (put hands at sides and shuffle fast a few paces, turn and continue to shuffle, as if you are moving inside a wire). Electrical energy is also lightning! (Pose with your hand raised at a diagonal, finger pointed up to the sky and then point down across your body to the ground. Repeat a few times. Think disco dancing.)
Climate Change Treasure Hunt

An engaging, awareness-raising activity that can be used on school campuses and at nature centres and other sites.
Engineering to do Nothing

Put to work the basic astronomy knowledge of 10-14 year olds in teaching passive solar house design
Introduction

Fear and Facing the Future by Richard Kool

Unleashing Blessed Unrest by David Selby and Fumiyo Kagawa

Weathering Climate Confusion

Climate Change Denial

Climate Change Despair and Empowerment

Guidebook for Survivors

Climate Change Summit for Teens by Janice McDonnell, Laura Bovitz, Carrie Ferraro, Rachel Lyons and David Robinson

Teaching about Carbon Regulation by Bruce Taterka

The Environmental Impact of the Tar Sands by Patrick Clarke

TOC continued........
Children’s Rights and Climate Change by Paula Gallo and Barbara Strang
To Stay or to Go
One Minute to Convince
Who Does What?
Climate Change and Children
First Person Singular: Documenting Climate Change through First-Person Narratives by Lauren G. McClanahan
Going Off Ramp: A Car-Trip Reduction Plan for Schools by Arthur Orsini
Cycling for a Better World by Gilles Bélisle
What Cool Schools Can Do by Tom Yohemas
From Gridlock to Global Warming by Rebecca Watts Hull
Investigating Public Transit by Tim Grant, Gail Littlejohn and Arthur Orsini
Teaching about Carbon Regulation
by Bruce Taterka
Children’s Rights and Climate Change
Helping young people realize their right to a healthy planet
Going Off-Ramp:
A Car Trip Reduction Plan for Schools

Expect Long Delays: Vancouver students prepare a window display dramatizing the problem of traffic congestion.