

Clean & Green Program Matrix-Kindergarten

Four Keys of Character Education	Iowa Core & Common Core (Math & Writing)				
	Mathematics	Life Science	Social Studies	Writing	21 st Century Skills
Self study	Collect and Count— <ul style="list-style-type: none"> ▪ Have kids put their trash into a paper or plastic bag by their desk. ▪ At the end of the day, kids count, sort, and categorize their trash 	Program Processing Form (use after one or more activities to help children process activity and information)	Mind map— Where I fit in my community	Blindfold Surprise, Birds, Beasts, Bugs & Us, p. 26	Computer Keyboard Keys—Each child gets a key and uses it to introduce something about him/herself
Other study	Litter Is Waste Out of Place, http://www.kidsarus.org/Youth_Education/Litter_Lessons/default.htm	Composting with Worms—Classroom experiment— http://dnr.wi.gov/org/caer/ce/eeek/earth/recycle/compost2.htm	People to People— Share mind maps with last partner	PlanetPals.com/booklist.html UNI Book List-- http://www.k12connections.iptv.org/documents/PreK-3rdgradeenvirbooks.pdf Sobel, David, <u>Beyond Ecophobia</u> booklist in back http://www.kidsgardening.com/growingideas/projects/nov04/pg1.html	Flat Stanley Project, http://www.kid-art.com/htdoc/lesson71.html http://www.flatstanley.com/
Public performance	Collaboration with Nature and Math	Create a class slide show or movie <ul style="list-style-type: none"> ▪ Parent/kid community tour with digital or cell phone cameras—problem identification ▪ Brainstorm solutions 	The Worms Escaped! (Stagecoach Upset)	Create Haiku poems & Make into Wordles, www.wordle.net	Prepare and perform “Do Not Litter” song (LuAnn) for an audience of choice

<p>Supportive, challenging community</p>	<p>Exploring the Rainbow and Nature</p>	<p>Cricket Thermometer, http://www.dartmouth.edu/~genchem/0102/spring/6winn/cricket.html http://www.kidstime4jesus.org/activities/cricket_thermometer.html Nebbe, Linda L. Nature as a Guide: Using Nature in Counseling, Therapy and Education</p>	<p>Raccoon Circles—</p> <ul style="list-style-type: none"> ▪ Get on the Bus ▪ Inside Out (p. 26) ▪ Octopus (p. 44) 	<p>A Thinker's Scavenger Hunt, Birds, Beasts, Bugs & Us, p. 17-18 Nature as a Guide, p. 173-174</p>	<p>Jigsaw: five environmental books—</p> <ul style="list-style-type: none"> ▪ <u>Ordinary Mary's Extraordinary Deed</u> ▪ <u>When I was Young in the Mountains</u> ▪ <u>The Cat in the Hat</u> ▪ <u>Just Enough and Not Too Much</u> ▪ <u>The Wartville Wizard</u>
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Clean & Green Program Matrix—1st Grade

Four Keys of Character Education	Iowa Core & Common Core (Math & Writing)				
	Mathematics	Life Science	Social Studies	Literacy	21 st Century Skills
Self study	Journal for one day— Track each thing discarded with a picture, word or phrase	Making Connections, (<u>No Student Left Indoors: Creating a Field Guide to Your Schoolyard</u> , p. 108)	Power Animal Puppets	Fairy tale activity— Choose another of the processing activities in Zipes, <u>Creative Storytelling</u> , page 31-32	Nature Recycles, Shouldn't We All? Computer Games, http://www.fergusonfoundation.org/hbf/nature_recycles/trashlesslunch.shtml
Other study	Edible Aquifer, http://dnr.wi.gov/org/caer/ce/seek/cool/ameliaedibleaquifer.htm	Recycle Power Animals <ul style="list-style-type: none"> ▪ Talk about how all matter on earth is finite and must decay to become something else (Thich Nhat Hanh—Speaking of Faith) ▪ Cut up power animals, and divide the pieces into art, earth and water bins Children select pieces of all the animals from the three bins and make a new animal from them	Use Power Animal puppets for plays, skits or poems	PlanetPals.com/booklist.html UNI Book List-- http://www.k12connections.iptv.org/documents/PreK-3rdgradeenvirbooks.pdf Sobel, David, <u>Beyond Ecophobia</u> booklist in back http://www.kidsgardening.com/growingideas/projects/nov04/pg1.html	Food for Thought: Digging into Family Traditions; Conducting Community Interviews— http://www.kidsgardening.com/growingideas/projects/oct03/pg1.html#food
Public performance	Use paper and other litter found on the playground to make paper (YouTube video, http://www.youtube.com/watch?v=RMScrAJNxI8 http://www.kidsgardening.com/growingideas/projects/nov02/pg1.html	Create a book of photos taken by the students <ul style="list-style-type: none"> ▪ digital or cell phone cameras ▪ take photos ▪ print, caption (<u>Kids, Cameras and the Curriculum</u>, p. 48, 63-64) 	Present a story, play or movie of the class strengths to an audience of choice	Act out one of the fairy tales, and follow up with a processing activity (Zipes, <u>Creative Storytelling</u> , p. 31)	Prepare and perform Water Cycle Skit and “Think Earth” song (LuAnn) for audience of choice

<p>Supportive, challenging community</p>	<p>Photographing a math problem (<u>Kids, Cameras and the Curriculum</u>, p. 62) http://www.kidsgardening.com/growingideas/PROJECTS/july03/pg2.html</p>	<p>Tower Building activity using toilet paper & paper towel rolls</p>	<p>Conflict—</p> <ul style="list-style-type: none"> ▪ Use Power Animals to evaluate how individuals and the class deal with conflict 	<p>Three-Letter Word Forming using recycled computer keyboard keys</p>	<p>Jigsaw: five environmental books—</p> <ul style="list-style-type: none"> ▪ <u>The Salamander Room</u> ▪ <u>Roxaboxen</u> ▪ <u>The Butterfly Boy (Yep)</u> ▪ <u>A Fairy Went a-Marketing</u> ▪ <u>The Star Maiden</u>
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Clean & Green Program Matrix—Second Grade

Four Keys of Character Education	Iowa Core & Common Core (Math & Writing)				
	Mathematics	Life Science	Social Studies	Writing	21 st Century Skills
Self study	<ul style="list-style-type: none"> ▪ Collect everything discarded for one week and sort into groups according to reuse/recycle/discard/compost categories. 	Square of Life <ul style="list-style-type: none"> ▪ Field Trip to Your Square (two hours) http://www.k12science.org/curriculum/squareproj/field_trip.htm 	School and Playground Map— Making Maps—A Different Point of View Where I fit in My School	Write a persuasive letter to a local or state decision maker, demonstrating knowledge of the difference between opinion and fact, and using details to persuade	Use prior work to decide as a class on a service project— <ul style="list-style-type: none"> ▪ Brainstorming ▪ Nominal Group Process ▪ Consensus Cards ▪ Backward planning
Other study	Celebrate Urban Birds, http://www.birds.cornell.edu/celebration/community/ideas-for-organizations/schools	Square of Life <ul style="list-style-type: none"> ▪ How Are We Alike and Different? (two class periods)— http://www.k12science.org/curriculum/squareproj/final_report.htm 	Separate Realities (Positive Discipline in the Classroom)	Collect and Recycle	Map the Community— http://nextstepadventure.com/2009/06/29/mappage-map-collage/
Public performance	Beginning Playground Pickup— Use photos of sorted, discarded items from the class to create posters using one of these sources as a guide: <ul style="list-style-type: none"> ▪ Save Our Earth: Alternative Uses for Common Trash ▪ School Rubbish Patrol 	Square of Life <ul style="list-style-type: none"> ▪ Making a Class List (one hour)— http://www.k12science.org/curriculum/squareproj/rep_list.htm 	The school is a mess!	Square of Life <ul style="list-style-type: none"> ▪ Reconstructing the Squares (2-3 hours over a 2-week period)— http://www.k12science.org/curriculum/squareproj/building_square.htm 	Prepare and perform “City Park” play (Tracy), Ben Harper, “With My Own Two Hands” and “It’s a Happy Earth Day Party, You All Come” song (LuAnn) for a group of choice

<p>Supportive, challenging community</p>	<p>Final Playground Pickup—Use these 2 sources for planning:</p> <ul style="list-style-type: none"> ▪ Save Our Earth: Alternative Uses for Common Trash ▪ School Rubbish Patrol <p>Now compare with worksheets from the beginning of the project</p> <ul style="list-style-type: none"> ▪ Was there any change? ▪ Better/worse? 	<p>Class service project</p>	<p>Making Maps—(A Different Point of View from Discovering Barnegat Bay, <u>No Student Left Indoors: Creating a Field Guide to Your Schoolyard</u>, p. 98)</p>	<p>Set aside 30 minutes each day for small groups of kids to participate in environmental book clubs. Use books from the bibliography and—PlanetPals.com/booklist.html</p> <p>UNI Book List-- http://www.k12connectio ns.iptv.org/documents/Pr eK-3rdgradeenvirbooks.pdf Sobel, David, <u>Beyond Ecophobia</u> booklist in back http://www.kidsgardening .com/growingideas/proje cts/nov04/pg1.html</p>	<p>Jigsaw: five environmental books—</p> <ul style="list-style-type: none"> ▪ <u>Just a Dream</u> ▪ <u>The Lorax</u> ▪ <u>Home</u> ▪ <u>Agatha's Feather Bed</u> ▪ <u>Rabbit Island</u>
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