

Guide To Nature Study For The Use Of Teachers Dotgen

An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

Easy-to-implement nature study lessons designed for homeschoolers, co-op groups, and traditional classes, each activity helps students observe and discover for themselves through a firsthand experience with nature. With scientific information, diagrams, and journaling prompts, this book inspires a love for nature and makes teaching it accessible to all educators.

Introduces readers to the intriguing world of freshwater life.

How to Teach Nature Journaling

Methodical Nature Study

A Pocket Manual for Identifying Pacific Coast Trees

Pond and Brook

Drawn to Nature

The Curious Parts and Pieces of the Natural World

See the world in a whole new way! Acclaimed illustrator Julia Rothman combines art and science in this exciting and educational guide to the structure, function, and personality of the natural world. Explore the anatomy of a jellyfish, the inside of a volcano, monarch butterfly migration, how sunsets work, and much more. Rothman's whimsical illustrations are paired with interactive activities that encourage curiosity and inspire you to look more closely at the world all around you.

Book Number Two in the Charlotte Mason Topics series, The Outdoor Life of Children is a compilation of Charlotte Mason's writings on the topics of Nature Study, teaching natural philosophy, and the importance of children being out-of-doors. Now all of Charlotte Mason's writings on Nature Study and the outdoors (from the original six-volume set) are located in this one, easy-to-use volume. The teachings and philosophies of Charlotte Mason, a British educator from the last century, are currently experiencing a revival, especially among American private and home schools. Mason's educational ideas were originally used by governesses in England to educate the children in their charge. Eventually, schools based on her philosophies sprung up throughout England, and her original training school became a college to supply teachers for the Parents' Union Schools throughout the world. Mason developed a lifetime love of learning in her students by actively engaging children firsthand with nature, literature, science, history, art, music, and avoiding dumbed-down materials - what she referred to as twaddle - as much as possible. The content of The Outdoor Life of Children was compiled and adapted by Deborah Taylor-Hough, long time homeschooling mother of three, author of A Twaddle-Free Education: An Introduction to Charlotte Mason's Timeless Educational Ideas, and editor of the Charlotte Mason eMagazine. CONTENTS INCLUDE: Knowledge Through Senses Out-of-Door Geography Flowers and Trees 'Living Creatures' Field-Lore and Naturalists' Books Walks in Bad Weather Teaching Natural Philosophy ... and more! From the Foreword: "Nature Study is the backbone of introductory natural sciences in Charlotte Mason style homes and school, but Mason also felt it was beneficial for children to spend a great deal of time out-of-doors for their physical, emotional, and spiritual health. "In spite of often rainy, inclement weather, Charlotte Mason insisted on going out once-a-week for an official Nature Walk, allowing the children to experience and observe the natural environment firsthand. These excursions were nature walks, not nature talks. "In addition to the weekly Nature Walks, Mason also recommended children spend large quantities of time outside each day, no matter what the weather. Take a daily walk for fun and fresh air. "I want to encourage those of you who don't have your own fields and forests, there are other readily available opportunities for outdoor play and learning activities. Basically, go outside with your kids as often as you can. You'll all be healthier and happier, and you may even learn a thing or two in the process." ~Deborah Taylor-Hough, Seattle 2015 The Outdoor Life of Children: The Importance of Nature Study and Outside Activities is available in both paperback and Kindle ebook formats.

With these handy paperback reference guides, illustrated throughout with black-and-white line drawings, nature watchers know what to look for and how to interpret what they see.

Whether carried into the field or consulted at home, these books provide readers with fascinating facts and insights into the behavior of birds and wildlife. And that's not all. With new Stokes projects under way ... with information about Stokes activities available on-line at www.StokesBooks.com...you can be certain that more and more readers will be relying on Stokes guides.

Nature Study with the Gentle Art of Learning : a Story for Mother Culture

Nature Guiding

A Guide to Mammals of the Pacific Coast States, Their Tracks, Skulls and Other Signs

Teaching Children Science

Countryside Rambles (Yesterday's Classics)

Collected here in one omnibus edition are all five of Clara Dillingham Pierson's Among the People series. Included are Among the Night People, Among the Meadow People, Among the Farmyard People, Among the Pond People, and Among the Forest People. These charming stories will delight your children while delivering a positive moral message to them.

Golding's iconic 1954 novel, now with a new foreword by Lois Lowry, remains one of the greatest books ever written for young adults and an unforgettable classic for readers of any age. This edition includes a new Suggestions for Further Reading by Jennifer Buehler. At the dawn of the next world war, a plane crashes on an uncharted island, stranding a group of schoolboys. At first, with no adult supervision, their freedom is something to celebrate. This far from civilization they can do anything they want. Anything. But as order collapses, as strange howls echo in the night, as terror begins its reign, the boys' adventure seems as far removed from reality as the hope of being rescued.

A Practical Guide to Nature StudyA Nature Study GuideHandbook of Nature-study for Teachers and Parents, Based on the Cornell Nature-study Leaflets, with Much Additional Material and Many New IllustrationsExploring NatureCreative Company

Karen Andreola's Pocketful of Pinecones

A Bush Calendar

A Place to Track and Draw Your Daily Observations

Stokes Guide to Nature in Winter

A Guide in Nature Study

Level 1 (Ages 2-4)

Nature study that is fun, simple and in an open and go format? YES! This is it! Nature Study Hacking takes away the decision fatigue for you! This guide pulls from the best naturalist resources available including Anna Comstock's Handbook of Nature Study. These short lessons guide you and your student(s) through learning about trees starting with observation. What makes this resource stand out above any other on the market is that each lesson has prompts guiding you through using your nature journal as you do your nature study! Getting in the habit of making journal entries has never been so simple. This guide leads you to do more than just use watercolor in your journal! Make a map, find a poem about your subject and copy it down, track your subject through the seasons and so many more delightful ideas for journal entries! Your kids will start to pick up their journals on their own!

Pocket guide to mammal tracks. Includes keys to print shapes and track patterns, discussion of scat and other signs, habitat information, range maps, and drawings of the animals and their tracks. For identifying tracks in mud or snow. Covers the eastern half of U.S. and Canada.

This pocket-sized field guide identifies plants and animals that live in the intertidal zone of the rocky coast, from Cape Cod north to the Bay of Fundy, in tide pools, caves, and crevices, and on rocks, wharves and pilings. Explains intertidal ecology and how these fascinating and varied creatures--sea slugs, crabs, rockweeds, star fish, and many others--survive in the harsh and ever-changing environment between the limits of high and low tide.

Nature Anatomy Notebook

Through the Journals of Clare Walker Leslie

Pacific Coast Mammals

The Realm of Nature

Working with Children in the Outdoors

An Outline of Physiography

Reveling in the wonders of nature doesn't have to be reserved for vacation. By simply taking a few minutes to look up and observe the hawks hovering over their nest at the top of a city building, or to look down and note the variety of weeds growing in a small patch of earth, or just to glance through the window and appreciate the shapes of the clouds moving by, anyone can connect with nature—anywhere, anytime. Clare Walker Leslie, author of the bestselling book Keeping a Nature Journal, has spent 25 years teaching and showing people how simple and rewarding it is to notice and record local nature. Nothing is more inspiring than the pages of her nature journals, which feature her daily recordings of small, but amazing natural events she's seen while walking the dog, sitting in a park with her children, or driving around city streets. Drawn to Nature features a selection of Leslie's journal pages, arranged to inspire the reader to do as she does: look up, look down, look out and around, bring bits of nature indoors to observe and study, or take your eyes for a walk around the neighborhood. Using a combination of quick, impressionistic watercolors with more detailed pen and pencil drawings, along with the written word, Leslie invites readers to share in the pleasure of her nature watching, and to experience the joy of seeing and connecting with nature wherever they live, amidst the whirl of daily life. For journal keepers, nature lovers, birdwatchers, artists, and anyone interested in using nature as a source for self-reflection or meditation, this book will be a welcome companion and source of inspiration.

With this handy, easy-to-use book, you'll be able to identify a wide variety of trees along the Pacific Coast in no time.

Describes the many ways in which humans use nature and how animals and plants exist in the wild.

How to Get Outside and Use a Nature Journal

Handbook of Nature-study for Teachers and Parents, Based on the Cornell Nature-study Leaflets, with Much Additional Material and Many New Illustrations

Clara Dillingham Pierson's Complete Among the People Series

Deep Learning

A Nature Study Guide

Nature Anatomy

These pocket-sized Nature Study Guides describe plants and animals in easy-to-understand language. They include drawings, keys, terms, symbols, and glossaries. Each book covers a specific region.

In straightforward text complemented by step-by-step illustrations, dozens of exercises lead the hand and mind through creating accurate reproductions of plants and animals as well as landscapes, skies, and more. Laws provides clear, practical advice for every step of the process for artists at every level, from the basics of choosing supplies to advanced techniques.

In the early twentieth century, a curriculum known as nature study flourished in major city school systems, streetcar suburbs, small towns, and even rural one-room schools. This object-based approach to learning about the natural world marked the first systematic attempt to introduce science into elementary education, and it came at a time when institutions such as zoos, botanical gardens, natural history museums, and national parks were promoting the idea that direct knowledge of nature would benefit an increasingly urban and industrial nation. The definitive history of this once pervasive nature study movement, Teaching Children Science emphasizes the scientific, pedagogical, and social incentives that encouraged primarily women teachers to explore nature in and beyond their classrooms. Sally Gregory Kohlstedt brings to vivid life the instructors and reformers who advanced nature study through on-campus schools, summer programs, textbooks, and public speaking. Within a generation, this highly successful hands-on approach migrated beyond public schools into summer camps, afterschool activities, and the scouting movement. Although the rich diversity of nature study classes eventually lost ground to increasingly standardized curricula, Kohlstedt locates its legacy in the living plants and animals in classrooms and environmental field trips that remain central parts of science education today.

A Guide to the Marine Life of the Rocky North Atlantic Coast

Exploring Nature

A Guide to Nature in Freshwater Environments

A Guide to Nature Study for Camp Leaders, Counselors, and Aides

How to Read a Pebble

Nature Study Hacking- Trees

Introduces the habits and characteristics of many of the North American mammals through a fictitious story.

Expanding on the philosophy and methods of The Laws Guide to Nature Drawing and Journaling, John Muir Laws and Emilie Lygren have developed the first-ever comprehensive book devoted to helping educators use nature journaling as an inspiring teaching tool to engage young people with wild places. In their workshops Laws and Lygren are often asked the how-tos of teaching nature journaling: how to manage student groups in the outdoors, teach drawing skills (especially from those who profess to have none), connect journaling to educational standards, and incorporate journaling into longer lessons. This book puts together curriculum plans, advice, and in-the-field experience so that educators of all stripes can leap into journaling with their students. The approaches are designed to work in a range of ecosystems and settings, and are suitable for classroom teachers, outdoor educators, camp counselors, and homeschooling parents. Full-color illustrations and sample journal pages from notable naturalists show how to put each lesson into practice. Field-tested by over a hundred educators, this book includes dozens of activities that easily support the Common Core and the Next Generation Science Standards--and, just as important, it will show kids and mentors alike how to recognize the wonder and intrigue in their midst.

Adults and children are irresistibly drawn to Julia Rothman's best-selling illustrated guide to the natural world, Nature Anatomy, with its colorful drawings that awaken curiosity — and invite imitation. With this companion volume, Rothman leads fans deeper into nature observation with her specially designed record pages for tracking daily nature sightings throughout the seasons. Her step-by-step technique tutorials for drawing a flower, a dragonfly, a robin, and much more, along with blank sketchbook pages, will inspire nature lovers and art enthusiasts of all ages to take up their own colored pencils or favorite pens and create their own unique Nature Anatomy Notebook.

The Thinking Tree - Curiosity Journal - a Handbook of Observation and Discovery

Track Finder

Nature Study Collective

The Burgess Animal Book for Children

Walden

The Gentle + Classical Preschool

This 26 Unit preschool curriculum, designed for your 2-4 year old child, helps you develop a rhythm and creates a gentle opportunity to include learning opportunities without creating additional work for Mom.

This program was created to help you seize fruitful opportunities in these young years without making learning a chore for mom or child. The Gentle + Classical Preschool includes memory statements for each unit that covers the subjects of: Science (animals and plants), Social Studies (our family, community and American history), Character Traits or Catechism (Patience, Attention, Obedience, and more), Scripture (Christian Bible), Health + Safety (also including chores and self-care), Math (including shapes, colors, counting to 30, skip-counting, etc), Gross + Fine Motor Skill Activities, Language Arts (including many nursery rhymes). Plus a letter to focus on each unit. As the Parent/Teacher, you receive guided instruction for each unit, tips and tricks, help with scheduling, information about beginning reading skills, narration... and so much more. Join the other 10,000+ families who have received this program!

A Charlotte Mason Inspired Nature Study Journal! Fun-Schooling With Thinking Tree Books All Ages SALE! Normal Price \$32.50 Thinking Tree Learning Levels B & C Learn about how forest life changes every month! Study animals, plants, weather, clouds, seasons and so much more! Science, Forestry, Adventure, Reading, Drawing, Logic Games, Record Keeping, Poetry, Journaling, Observation, and Exploration FunSchoolingBooks.com Made in the USA Subjects Covered: Homeschooling Science, Botany, Fine Arts, and Language Arts. This Nature Study Handbook can be used for all ages, it is designed to be best suited for grades 5 to 12. Younger students will need minimal assistance.

Our Wonderful World by Emery Lewis Howe is a rich nature study book covering backyard neighbors, feathered friends, garden life, four-footed comrades, and the earth and its neighbors. Written for young children, this treasure includes experiments, related Scripture verses, and activities such as drawing, narrating, and writing.

Pacific Coast Tree Finder

A Guide to Native Plants with Fleshy Fruits for Eastern North America

Lord of the Flies

A Guide to Mammal Tracks of Eastern North America

Guide to Nature-study for the Use of Teachers

The Burgess Bird Book for Children

A guidebook to the four seasons, calling attention to the more striking objects and phenomena that reveal themselves to a country rambler. Focus in Spring is on the awakening of nature. In Summer on what can be found in various habitats. In Autumn on fruits, seeds, and preparation for winter. In Winter, on condition of plants, animals, and trees.

Guide to identifying mammals of the Pacific Coast states, whether you've seen the animal itself, or come across tracks, droppings, or other clues it has left behind. Includes tracks and prints, skulls, dental formulas (useful if you find a jawbone or skull) a chart of animal silhouettes, scat (droppings), and a key to other signs, such as chew marks, burrows and dens. Illustrated with detailed line drawings. Includes range maps and a bibliography. Covers California, Oregon, and Washington state.

Hands-On Nature Study in North America, 1890-1930

The Importance of Nature Study and Outside Activities

A Science and Art Manual for Parents, Educators, and Naturalists

Our Wonderful World

Nature study lessons

The Outdoor Life of Children