Webster, David: And Others

Track Picture Book. Elementary Science Study.
Elementary Science Study, Newton, Mass.
National Science Foundation, Washington, D.C.
ISBN-07-017702-3
71
82p.: For related document, see SE 033 099.
Photographs may not reproduce well.

MF01/PC04 Plus Postage.
*Animals: Elementary Education: *Elementary School Science: Instructional Materials: *Outdoor Activities: Science Activities: Science Course Improvement Projects: *Science Curriculum
*Animal Tracks

This picture book was designed to be used with an Elementary Science Study unit that provides opportunities for students in grades 4-6 to study animal tracks. Shown within this book are numerous examples of tracks, including those of tires, human beings, animal tracks, and others in various media, such as snow, sand, mud, dust, and cement. (CS)
Copyright © 1971, 1968 by Education Development Center, Inc. All Rights Reserved. Printed in the United States of America. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher.

Except for the rights to material reserved by others, the publisher and the copyright owner hereby grant permission to domestic persons of the United States and Canada for use of this work without charge in the English language in the United States and Canada after January 1, 1976, provided that publications incorporating materials covered by these copyrights contain an acknowledgment of them and a statement that the publication is not endorsed by the copyright owner. For conditions of use and permission to use materials contained herein for foreign publication or publications in other than the English language, apply to the copyright owner.

ISBN 07-017702-3
PREFACE

The Elementary Science Study is one of many curriculum development programs in the fields of science, social studies, and mathematics under preparation at Education Development Center, Inc. EDC (a private nonprofit organization, Incorporating the Institute for Educational Innovation and Educational Services Incorporated) began in 1958 to develop new ideas and methods for improving the content and process of education.

ESS has been supported primarily by grants from the National Science Foundation. Development of materials for teaching science from kindergarten through eighth grade started on a small scale in 1960. The work of the project has since involved more than a hundred educators in the conception and design of its units of study. Among the staff have been scientists, engineers, mathematicians, and teachers experienced in working with students of all ages from kindergarten through college.

Equipment, films, and printed materials are produced with the help of staff specialists, as well as of the film and photography studios, the design laboratory, and the production shops of EDC. At every stage of development, ideas and materials are taken into actual classrooms, where children help shape the form and content of each unit before it is released to schools everywhere.

ACKNOWLEDGMENTS

The idea for a unit on tracks originated during my work with desert animals in the Wellesley Public Schools. I first taught Tracks to two upper elementary classes in Watertown, Mass. Robert Stinson, Cynthia Gilles, and Dorothy Curtis observed these trial classes and also helped me with the Track Picture Book. Excepting those identified by a credit line, the track photographs were taken by myself.

I want to thank Adeline Naiman and Nancy Weston for assisting in the production of this book.

David Webster
There are tracks everywhere: along the highway, around your house, and in the woods. You can find them in snow, mud, sand, dust, and cement. This book has many photographs of the tracks made by cars and humans and other animals. Look for tracks outside, and try to figure out how they were made.
TIRE TRACKS
Were any of these tracks...
...made by any of these tires?
Which tracks were made first?

13
What happened here?

How many cars were there?
How were these tracks formed?
What stories do these skid marks tell?
What happens when cars drive over grease or wet paint?
What happened here?
HUMAN TRACKS
How much can you tell about these footprints?
Does snow melt in your tracks because your boots are hot?
Why do footprints sometimes melt like this?
How were these tracks made?
What made these tracks?
Can you identify these tracks?
Can you tell the dog tracks from the cat tracks?
How would the footprints of these animals look?
In which direction were these animals moving?
Have you ever seen tracks in cement?

How were these dinosaur tracks made in stone?
How could you make tracks with ink or poster paint?
What animals could have made the holes?
Who was following whom?

Where did the animal that made this track come from, and where did it go?
What happened here?
What made the grooves in the mountain?
Which marks were made by water?
What makes the wake of a ship white?
What could have caused this wake?
Did animals make...
...any of these tracks?