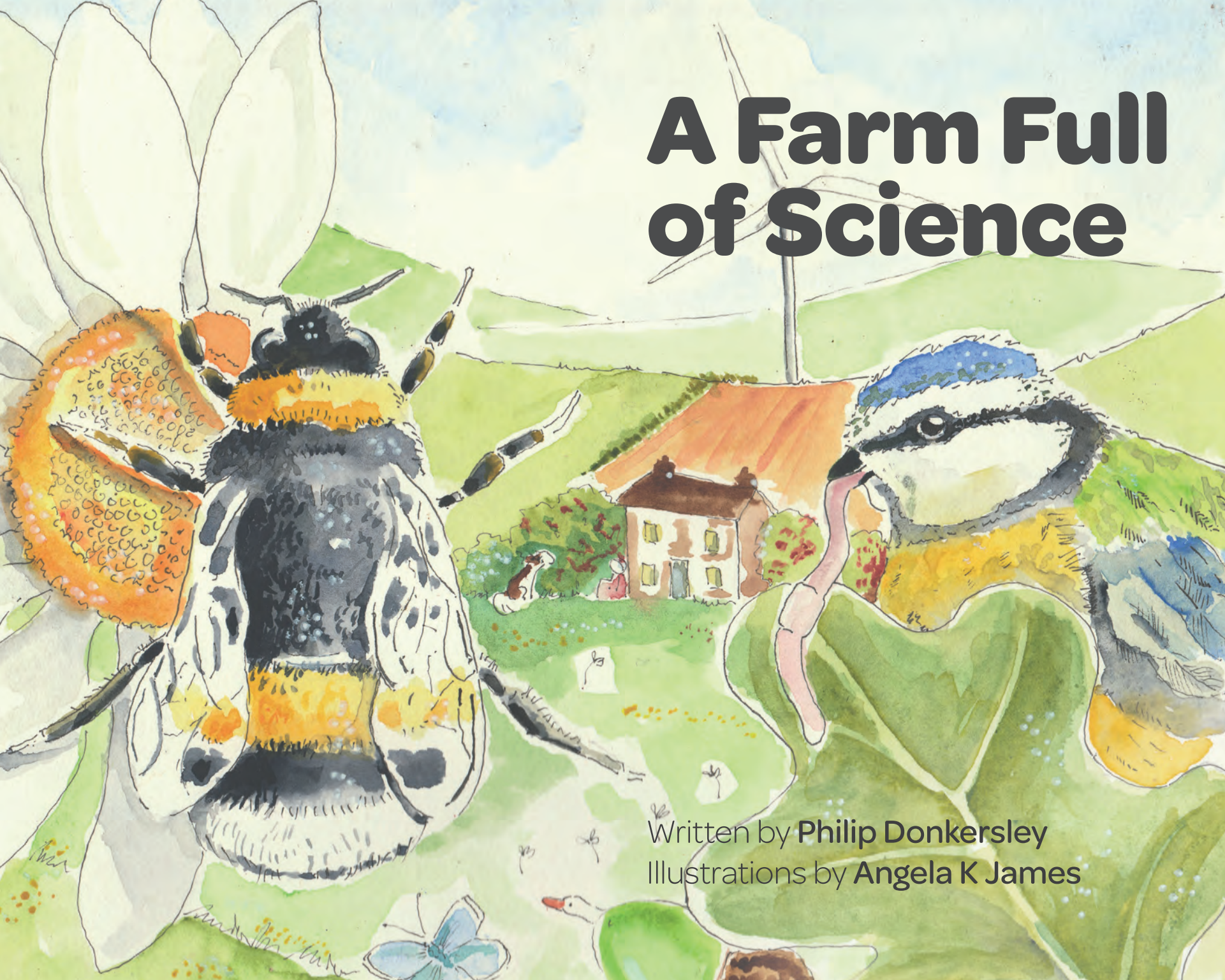


A Farm Full of Science



Written by **Philip Donkersley**

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Year of publication: 2025

Name of the copyright holder: Philip Donkersley

ISBN Number: 978-1-0369-1329-8

Publisher Information

Name of the publishing company

Address and/or website of the publisher

Edition and Printing Information

Printing history

First Edition

Printed in United Kingdom

Credits

Author: Philip Donkersley

Illustrator: Angela K James

Designer: Adrian Ridley

Editor: Carly Stevens

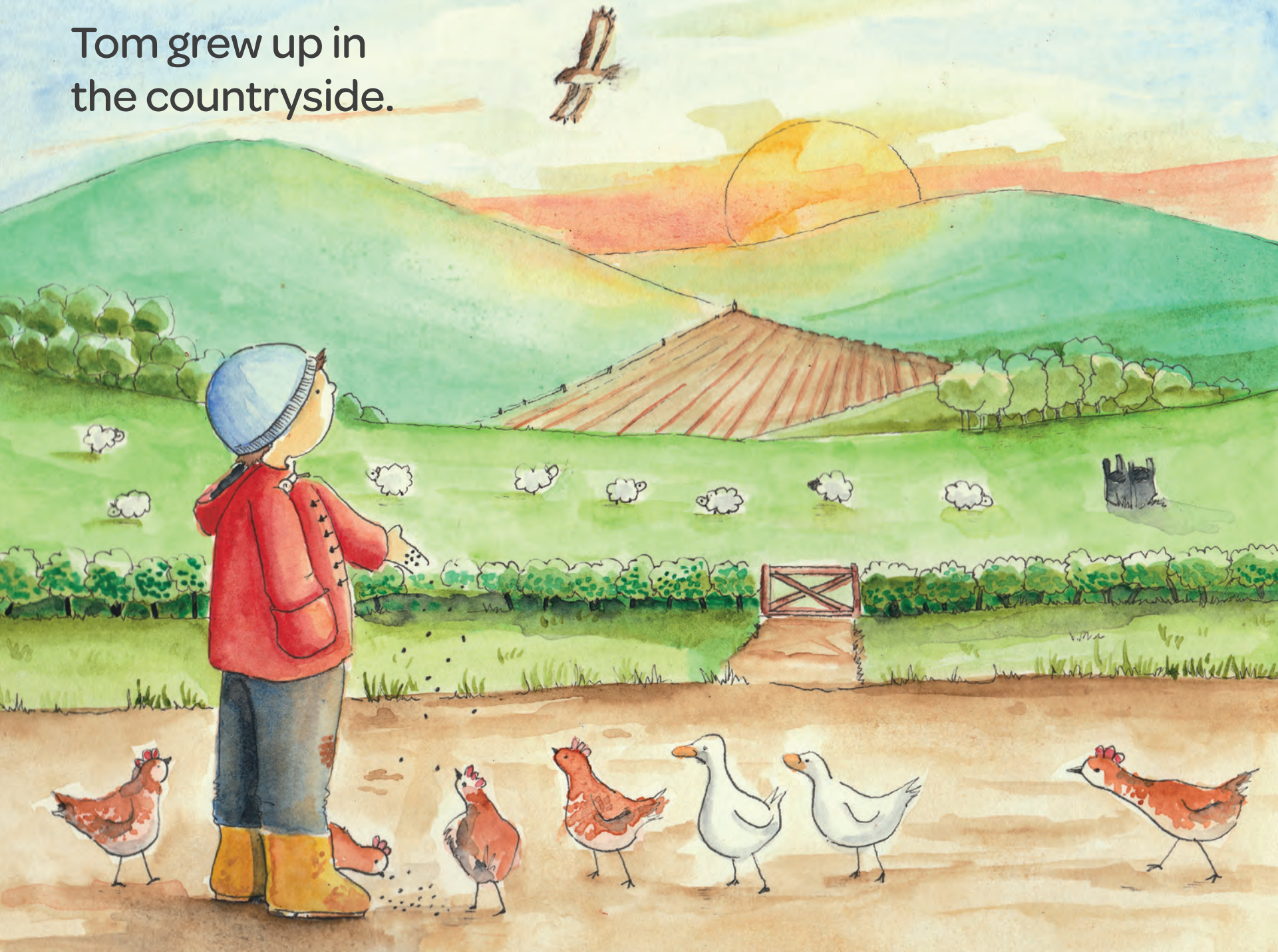
Acknowledgments

This book was produced for the Waitrose Collaborative Training Partnership, which ran from 2017 to 2025.

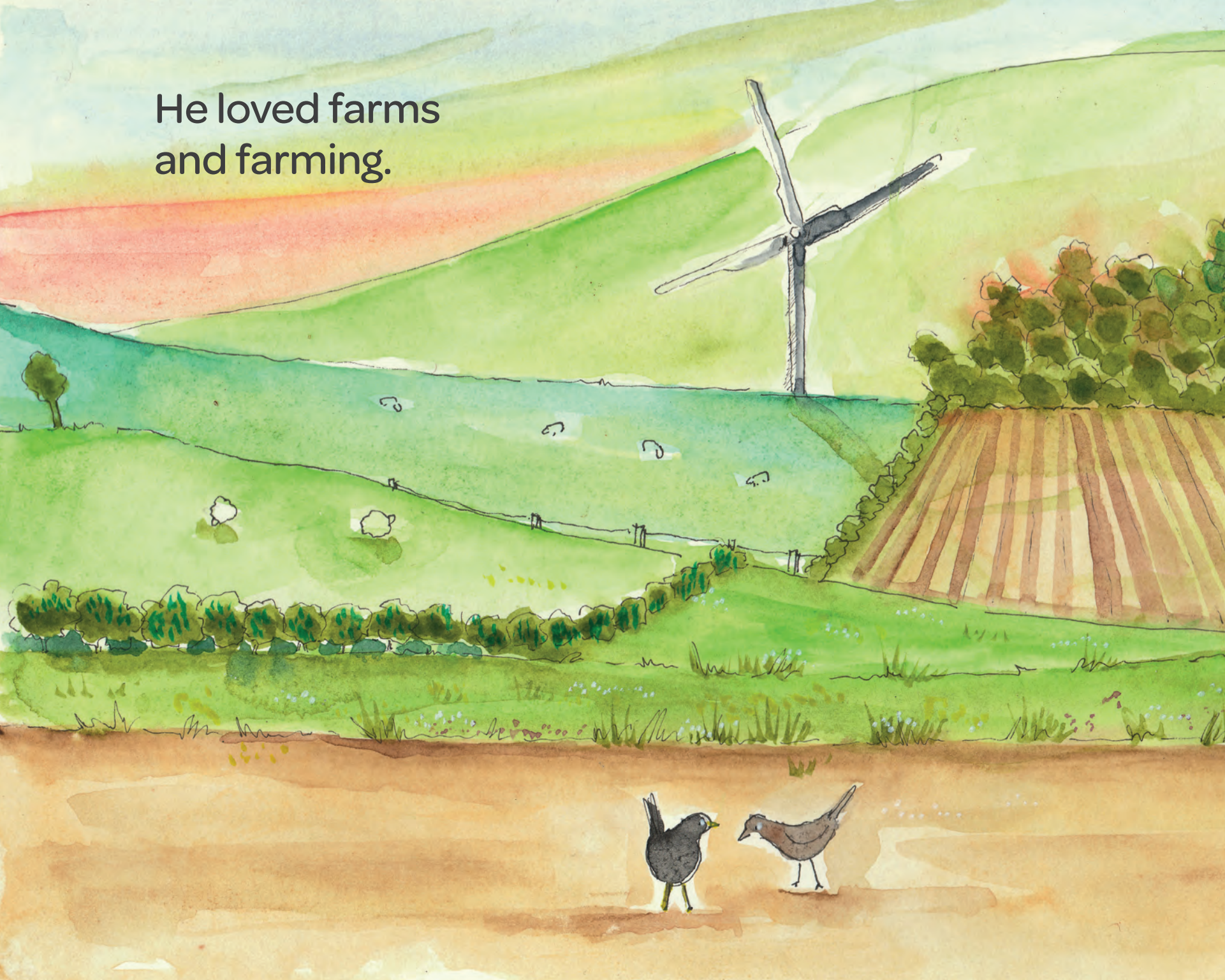
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Tom grew up in
the countryside.



He loved farms
and farming.



He loved the cows, he loved
the tractors, but he was unsure
about the goose.





The goose always seemed to pop up at the worst time, honking and flapping its wings at anyone they didn't approve of.



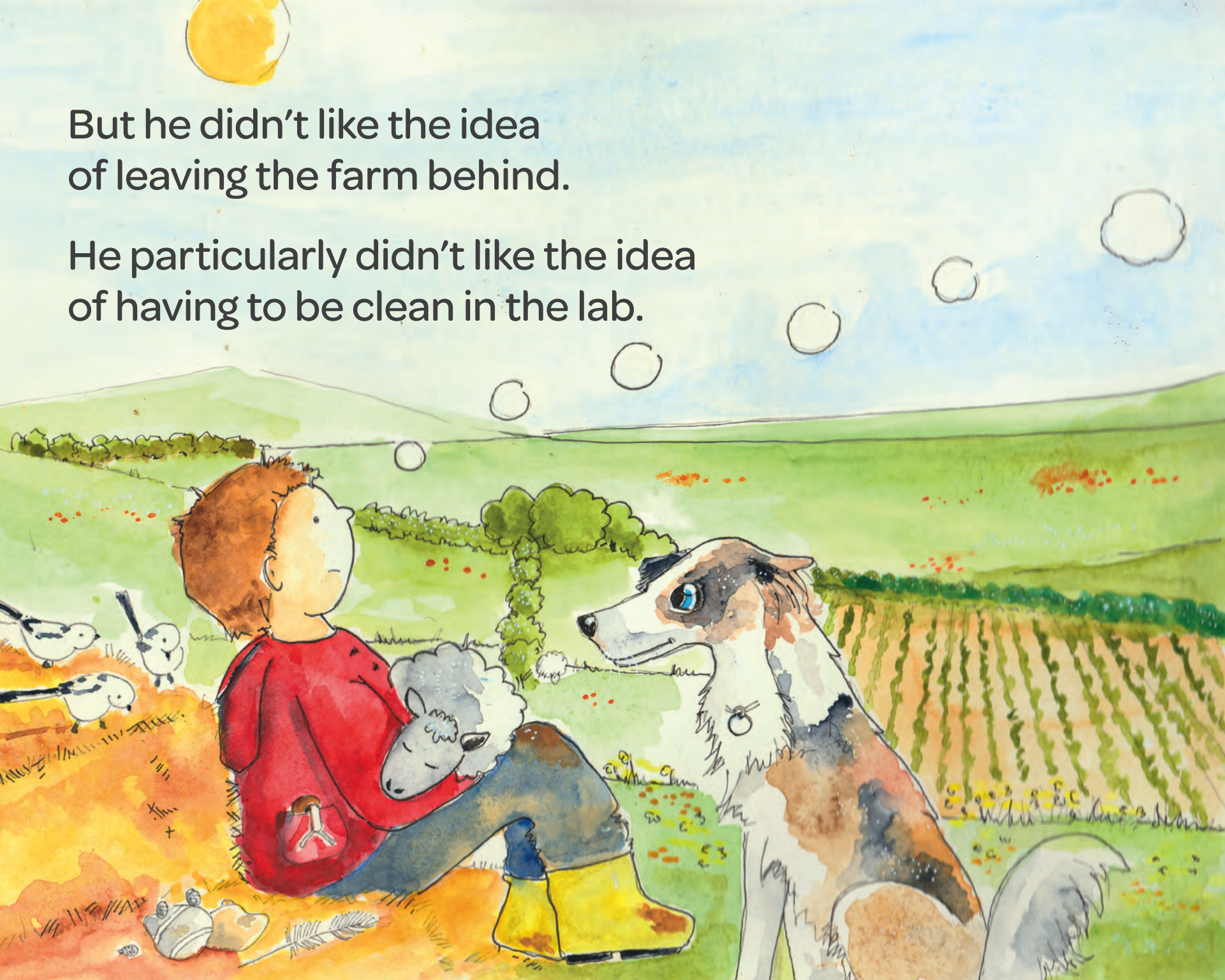


When Tom went to school he learned about scientists.

He thought science was really cool.

But he didn't like the idea
of leaving the farm behind.

He particularly didn't like the idea
of having to be clean in the lab.





Tom loved playing and
getting dirty in the mud.





Every scientist he saw on TV wore a clean lab coat and stayed far far away from the mud. Tom didn't want to have to be like them.

Tom kept loving science.



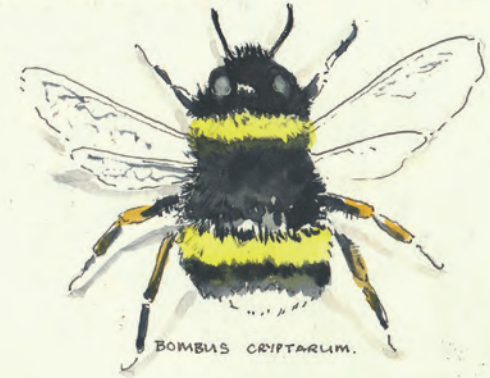


Then he found out about
different scientists.

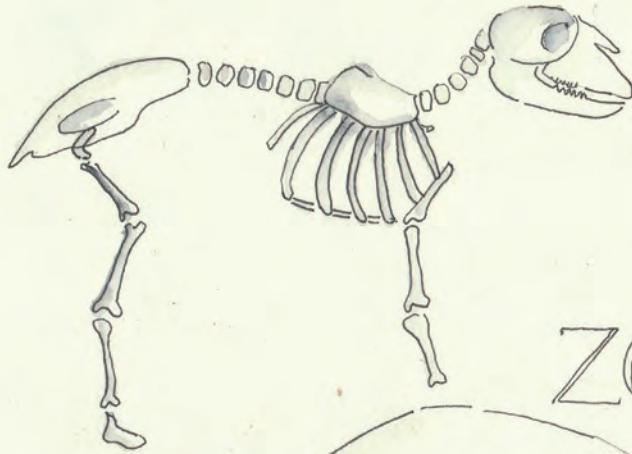


They study plants.

ENTOMOLOGY



ZOOLOGY

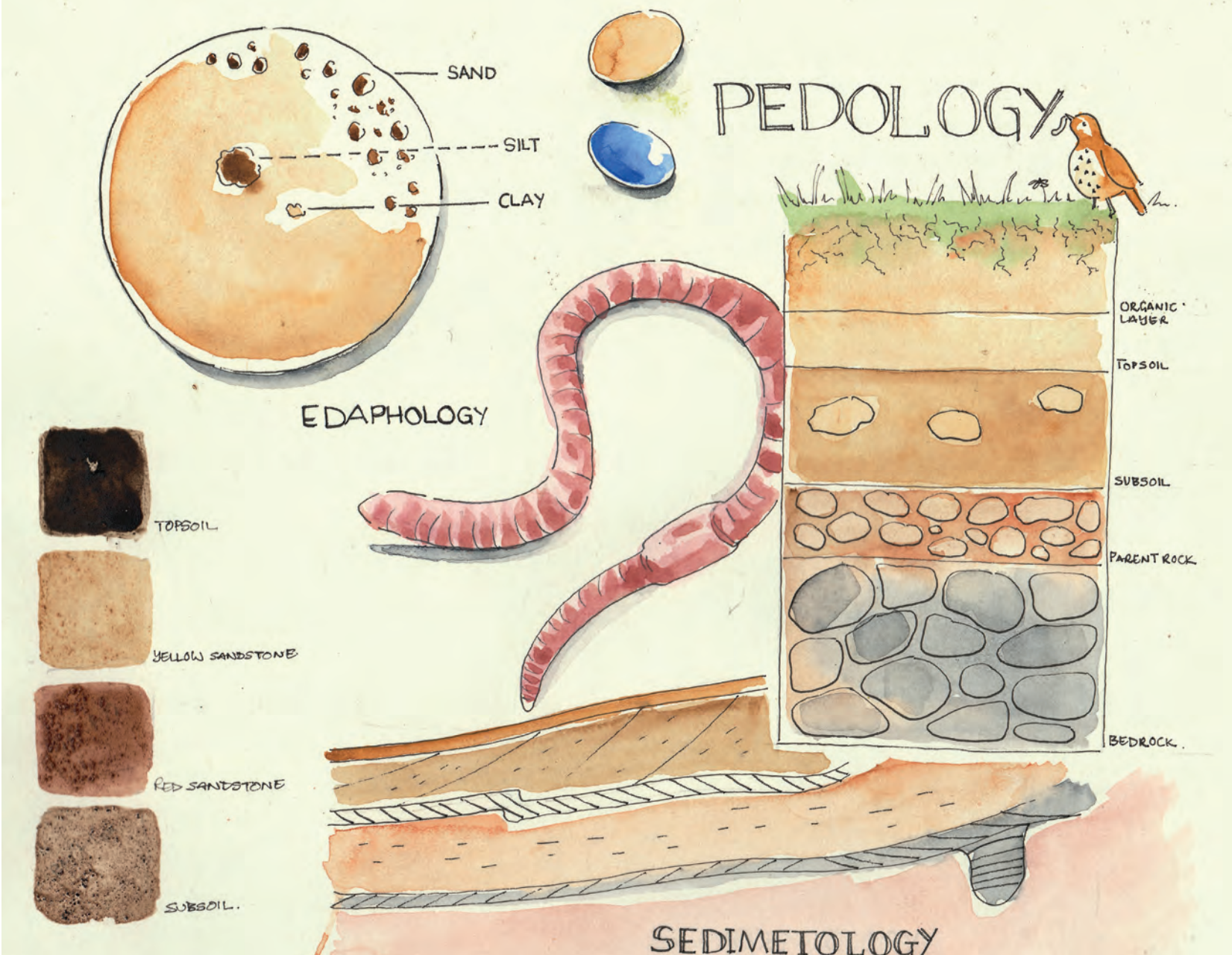


AGRICULTURAL SCIENCE



WILDLIFE BIOLOGIST

They study animals.



They study mud.

Some very brave scientists
could even study the goose.



The best part is...



They don't stay in the clean labs.
These scientists get to be outside.



Dr Mandy is a soil scientist who studies all the tiny creatures in the mud, "Our soils are really important, we have to look after them" she says.





Dr. Ed is a plant scientist, he digs deep into the soil, holding up a potato as big as a football. "Perfect for chips!" he cheers.





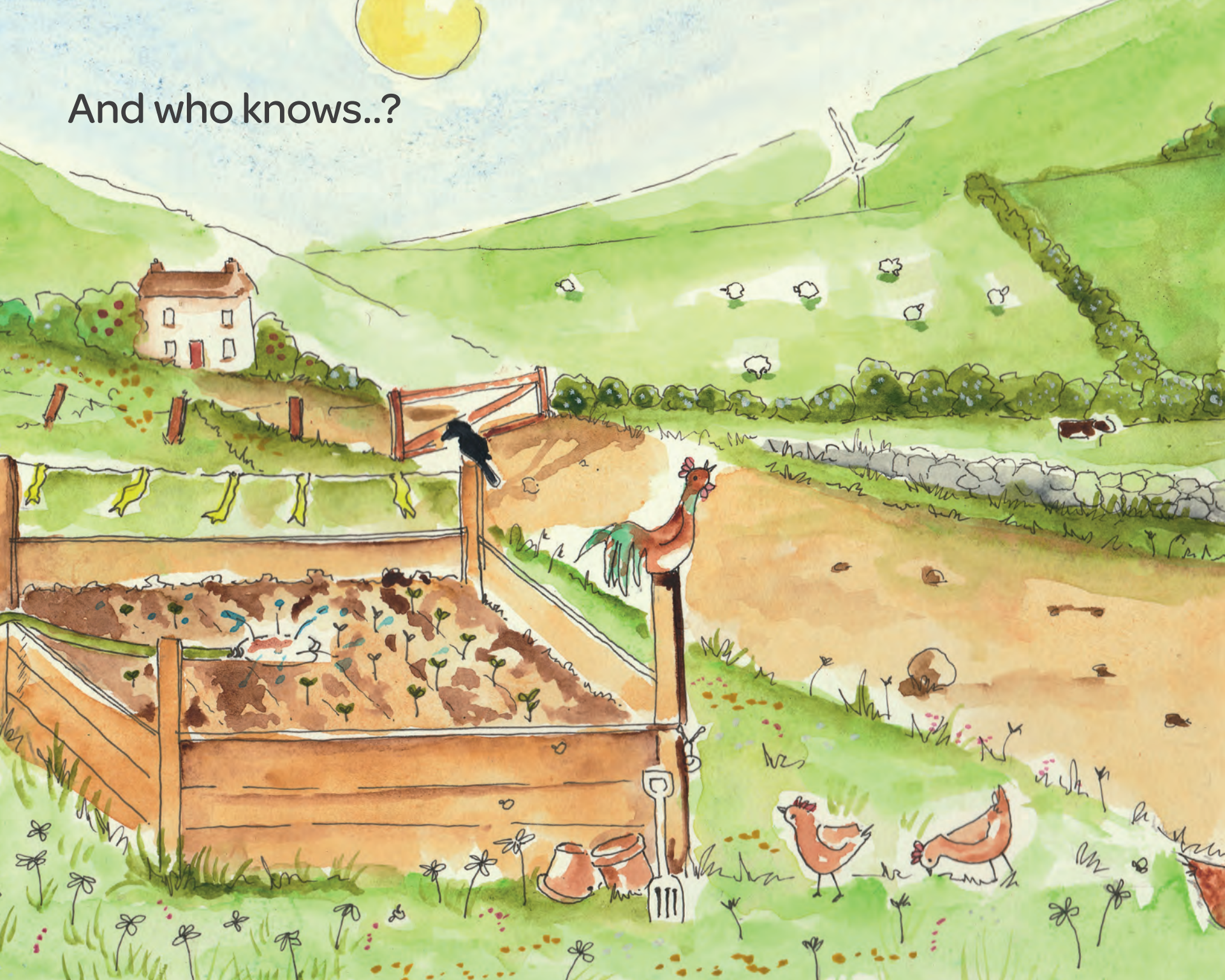
Dr. Hannah is an ecologist, she watches the bees busily zoom from flower to flower, their tiny legs covered in golden pollen. “They’re helping the flowers grow and the fruits ripen,” she says.

Science is more than just old people being serious,
they do it because its so much fun.

Being outside scooping up mud, counting bees
and making giant potatoes is fun.



And who knows..?





Maybe one day you'll be a scientist too, solving mysteries, studying mud, and—most importantly—learning how to outsmart that tricky goose!





Siskin

Red Kite

Buzzard

Blackbirds

Song Thrush

Long Tailed Tits

Goldfinch

Magpie

Curlew

Blue Tit

Wren

Tawny Owl

Herring Gull

Robin

Great Tit

Goose

Chaffinch

Lapwing

Jackdaw

Swallow

Mallard

Dunnock

How many birds
did you spot?

Entomology

The scientific study of insects—their biology, behaviour, ecology, and classification.

Zoology

The branch of biology that investigates animals, their physiology, behaviour, evolution, and classification.

Agricultural Science

An interdisciplinary field applying scientific principles to improve crops and livestock, soil management, and sustainable food systems.

Wildlife Biology

The study of wild animal species, their behaviour, interactions, and conservation within natural ecosystems.

Botany

The scientific study of plants—their structure, growth, reproduction, metabolism, and classification.

Phytology

The study of plant life, including their structure, function, and ecology.

Plant Ecology

The study of how plants interact with each other and their environment, including the effects of climate, soil, and other biotic factors on plant distribution and growth.

Pedology

A branch of soil science focused on the formation, classification, and mapping of soils in their natural settings.

Edaphology

The study of how soils affect living organisms—especially plants—by influencing nutrient availability, moisture, and overall soil fertility.

Sedimentology

The study of sediments and sedimentary rocks, including their origins, transportation, deposition, and the processes that transform loose sediments into solid rock.