

Kindergarten

Knowledge 4 | Image Cards Plants: How Do They Grow?



Notice and Disclaimer: The agency has developed these learning resources as a contingency option for school districts. These are optional resources intended to assist in the delivery of instructional materials in this time of public health crisis. Feedback will be gathered from educators and organizations across the state and will inform the continuous improvement of subsequent units and editions. School districts and charter schools retain the responsibility to educate their students and should consult with their legal counsel regarding compliance with applicable legal and constitutional requirements and prohibitions.

Given the timeline for development, errors are to be expected. If you find an error, please email us at **texashomelearning@tea.texas.gov.**

This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.

You are free:

to Share—to copy, distribute, and transmit the work

to Remix—to adapt the work

Under the following conditions:

Attribution—You must attribute any adaptations of the work in the following manner:

This work is based on original works of Amplify Education, Inc. (amplify.com) and the Core Knowledge Foundation (coreknowledge.org) made available under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. This does not in any way imply endorsement by those authors of this work. Noncommercial—You may not use this work for commercial purposes.

Share Alike—If you alter, transform, or build upon this work, you may distribute the resulting work only under the same or similar license to this one.

With the understanding that:

For any reuse or distribution, you must make clear to others the license terms of this work. The best way to do this is with a link to this web page:

https://creativecommons.org/licenses/by-nc-sa/4.0/

© 2020 Amplify Education, Inc. **amplify.com**

Trademarks and trade names are shown in this book strictly for illustrative and educational purposes and are the property of their respective owners. References herein should not be regarded as affecting the validity of said trademarks and trade names.

Printed in Mexico 01 XXX 2021



























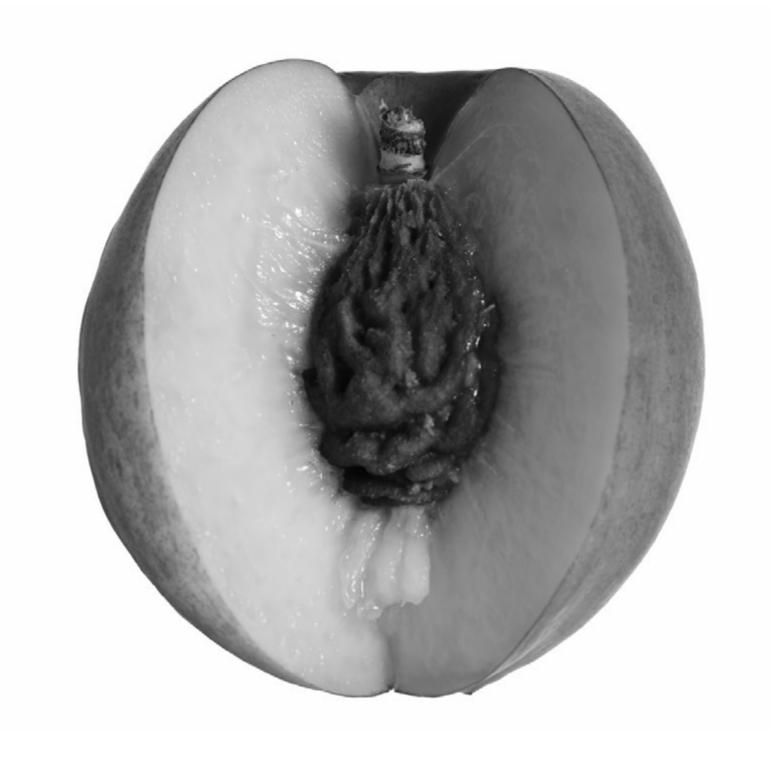




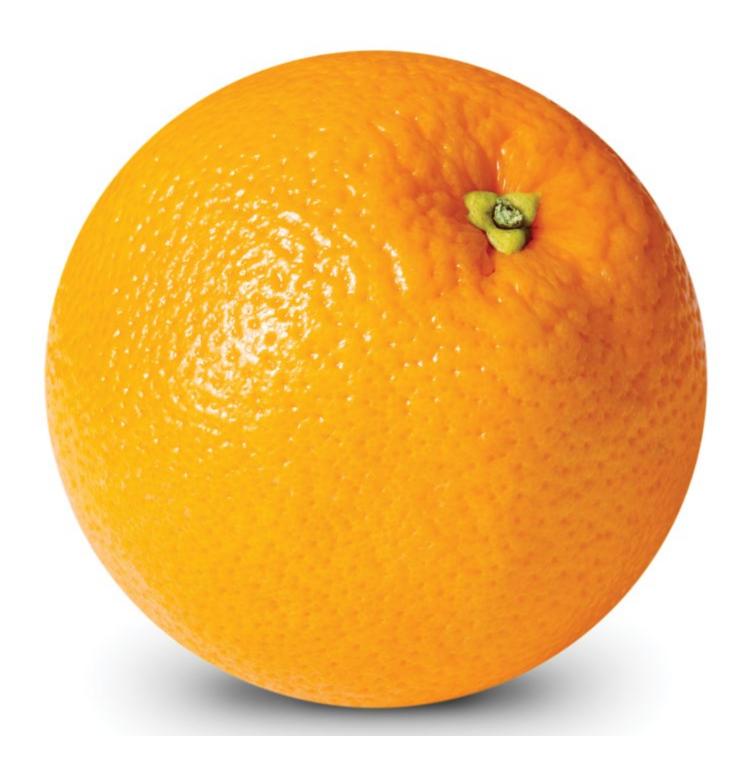








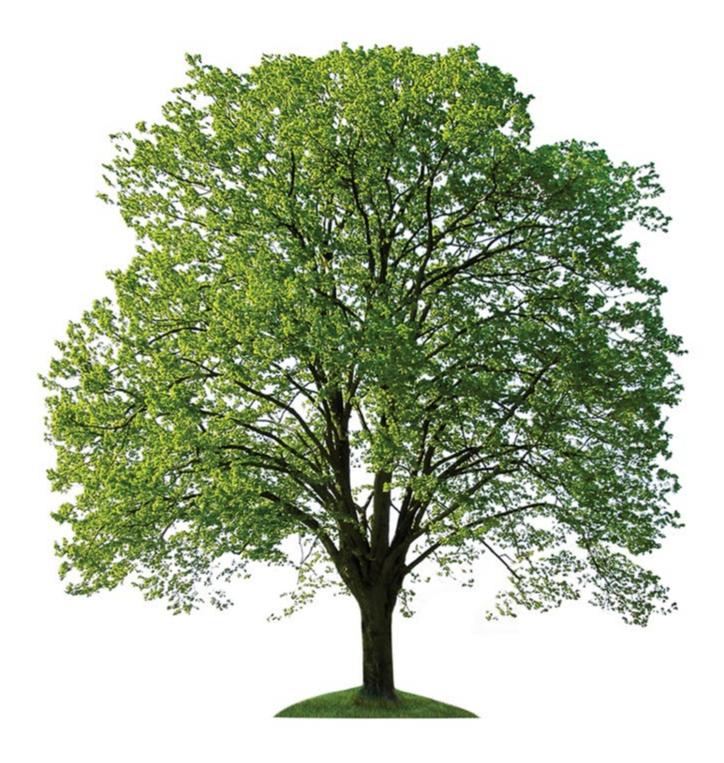
























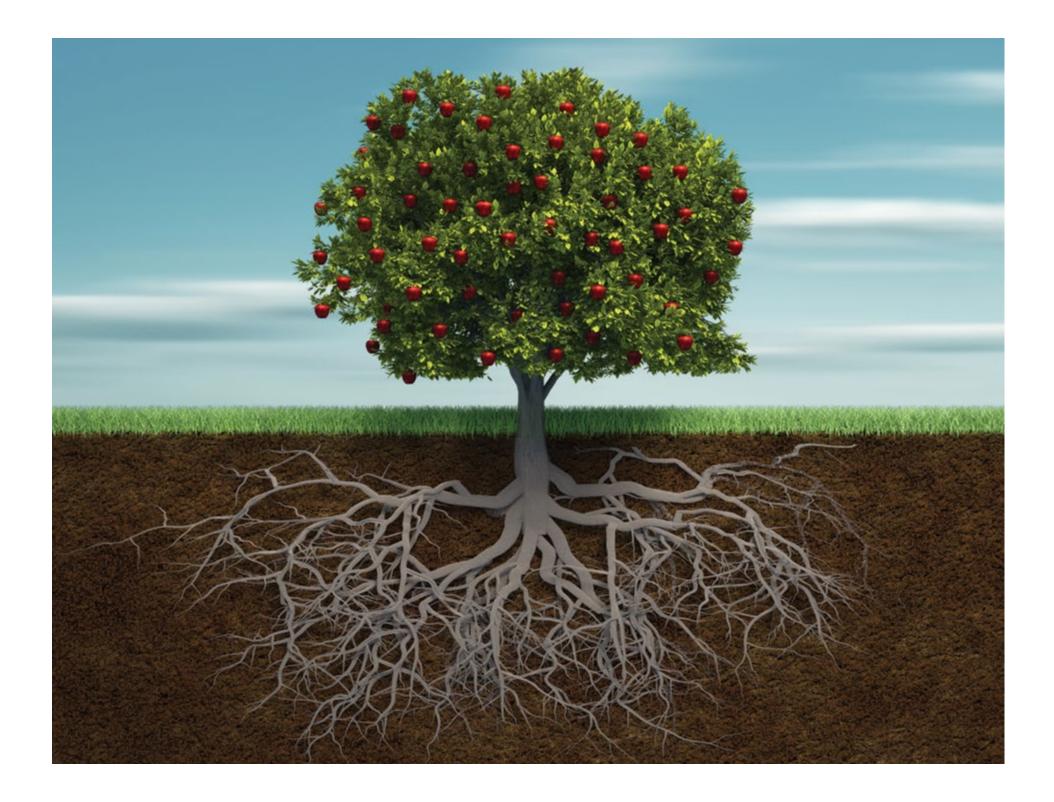














General Manager K-8 Humanities and SVP, Product

Alexandra Clarke

Vice President, Elementary Literacy Instruction Susan Lambert

Content and Editorial

Elizabeth Wade, PhD, Director, Elementary Language Arts Content Patricia Erno, Associate Director, Elementary ELA Instruction Maria Martinez, Associate Director, Spanish Language Arts Baria Jennings, EdD, Senior Content Developer Christina Cox, Managing Editor

Product and Project Management

Ayala Falk, Director, Business and Product Strategy, K-8 Language Arts Amber McWilliams, Senior Product Manager Elisabeth Hartman, Associate Product Manager Catherine Alexander, Senior Project Manager, Spanish Language Arts LaShon Ormond, SVP, Strategic Initiatives Leslie Johnson, Associate Director, K-8 Language Arts Thea Aguiar, Director of Strategic Projects, K-5 Language Arts Zara Chaudhury, Project Manager, K-8 Language Arts

Design and Production

Tory Novikova, Product Design Director Erin O'Donnell, Product Design Manager

Credits

Every effort has been taken to trace and acknowledge copyrights. The editors tender their apologies for any accidental infringement where copyright has proved untraceable. They would be pleased to insert the appropriate acknowledgment in any subsequent edition of this publication. Trademarks and trade names are shown in this publication for illustrative purposes only and are the property of their respective owners. The references to trademarks and trade names given herein do not affect their validity.

All photographs are used under license from Shutterstock, Inc. unless otherwise noted.

Illustrators and Image Sources

Domain Icon: Shutterstock; Image Card 1 (background): Shutterstock; Image Card 1 (bee): Jed Henry; Image Card 2: Shutterstock; Image Card 3: Shutterstock; Image Card 4: Shutterstock; Image Card 5: Shutterstock; Image Card 6: Shutterstock; Image Card 7: Shutterstock; Image Card 8: Shutterstock; Image Card 9: Shutterstock; Image Card 10: Shutterstock; Image Card 11: Shutterstock; Image Card 12: Shutterstock; Image Card 13: Shutterstock; Image Card 14: Shutterstock; Image Card 15: Shutterstock; Image Card 16: Shutterstock; Image Card 17: Shutterstock; Image Card 18: Shutterstock; Image Card 19: Shutterstock; Image Card 16: Shutterstock; Image Card 17: Shutterstock; Image Card 18: Shutterstock; Image Card 19: Shutterstock

Regarding the Shutterstock items listed above, please note: "No person or entity shall falsely represent, expressly or by way of reasonable implication, that the content herein was created by that person or entity, or any person other than the copyright holder(s) of that content."

Texas Contributors

Content and Editorial

Sarah Cloos Laia Cortes Jayana Desai Angela Donnelly Claire Dorfman Ana Mercedes Falcón Rebecca Figueroa

Nick García Sandra de Gennaro Patricia Infanzón-Rodríguez Seamus Kirst Michelle Koral Sean McBride Jacqueline Ovalle Sofía Pereson Lilia Perez Sheri Pineault Megan Reasor Marisol Rodriguez Jessica Roodvoets Lyna Ward

Product and Project Management

Stephanie Koleda Tamara Morris

Art, Design, and Production

Nanyamka Anderson Raghav Arumugan Dani Aviles Olioli Buika Sherry Choi Stuart Dalgo Edel Ferri Pedro Ferreira Nicole Galuszka Parker-Nia Gordon Isabel Hetrick Ian Horst Ashna Kapadia Jagriti Khirwar Julie Kim Lisa McGarry Emily Mendoza Marguerite Oerlemans Lucas De Oliveira Tara Pajouhesh Jackie Pierson Dominique Ramsey Darby Raymond-Overstreet Max Reinhardsen Mia Saine Nicole Stahl Flore Thevoux Jeanne Thornton Amy Xu Jules Zuckerberg

Other Contributors

Patricia Beam, Bill Cheng, Ken Harney, Molly Hensley, David Herubin, Sara Hunt, Kristen Kirchner, James Mendez-Hodes, Christopher Miller, Diana Projansky, Todd Rawson, Jennifer Skelley, Julia Sverchuk, Elizabeth Thiers, Amanda Tolentino, Paige Womack



Series Editor-in-Chief

E. D. Hirsch, Jr.

President

Linda Bevilacqua

Editorial Staff	Design and Graphics Staff
Mick Anderson	Kelsie Harman
Robin Blackshire	Liz Loewenstein
Laura Drummond	Bridget Moriarty
Emma Earnst	Lauren Pack
Lucinda Ewing Sara Hunt	Consulting Project Management Services
Rosie McCormick	ScribeConcepts.com
Cynthia Peng Liz Pettit	Additional Consulting Services
Tonya Ronayne	Erin Kist
Deborah Samley	Carolyn Pinkerton
Kate Stephenson	Scott Ritchie
Elizabeth Wafler	Kelina Summers
James Walsh	
Sarah Zelinke	

Acknowledgments

These materials are the result of the work, advice, and encouragement of numerous individuals over many years. Some of those singled out here already know the depth of our gratitude; others may be surprised to find themselves thanked publicly for help they gave quietly and generously for the sake of the enterprise alone. To helpers named and unnamed we are deeply grateful.

Contributors to Earlier Versions of these Materials

Susan B. Albaugh, Kazuko Ashizawa, Kim Berrall, Ang Blanchette, Nancy Braier, Maggie Buchanan, Paula Coyner, Kathryn M. Cummings, Michelle De Groot, Michael Donegan, Diana Espinal, Mary E. Forbes, Michael L. Ford, Sue Fulton, Carolyn Gosse, Dorrit Green, Liza Greene, Ted Hirsch, Danielle Knecht, James K. Lee, Matt Leech, Diane Henry Leipzig, Robin Luecke, Martha G. Mack, Liana Mahoney, Isabel McLean, Steve Morrison, Juliane K. Munson, Elizabeth B. Rasmussen, Ellen Sadler, Rachael L. Shaw, Sivan B. Sherman, Diane Auger Smith, Laura Tortorelli, Khara Turnbull, Miriam E. Vidaver, Michelle L. Warner, Catherine S. Whittington, Jeannette A. Williams

We would like to extend special recognition to Program Directors Matthew Davis and Souzanne Wright who were instrumental to the early development of this program.

Schools

We are truly grateful to the teachers, students, and administrators of the following schools for their willingness to field test these materials and for their invaluable advice: Capitol View Elementary, Challenge Foundation Academy (IN), Community Academy Public Charter School, Lake Lure Classical Academy, Lepanto Elementary School, New Holland Core Knowledge Academy, Paramount School of Excellence, Pioneer Challenge Foundation Academy, New York City PS 26R (The Carteret School), PS 30X (Wilton School), PS 50X (Clara Barton School), PS 96Q, PS 102X (Joseph O. Loretan), PS 104Q (The Bays Water), PS 214K (Michael Friedsam), PS 223Q (Lyndon B. Johnson School), PS 308K (Clara Cardwell), PS 333Q (Goldie Maple Academy), Sequoyah Elementary School, South Shore Charter Public School, Spartanburg Charter School, Steed Elementary School, Thomas Jefferson Classical Academy, Three Oaks Elementary, West Manor Elementary.

And a special thanks to the Pilot Coordinators Anita Henderson, Yasmin Lugo-Hernandez, and Susan Smith, whose suggestions and day-to-day support to teachers using these materials in their classrooms was critical.