

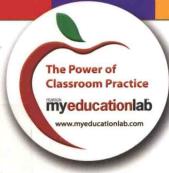


Joanne Sorte
Inge Daeschel
Carolina Amador

Nutrition, Health, and Safety

for Young Children

**Promoting Wellness** 



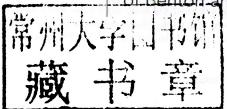
## Nutrition, Health, and Safety for Young Children

## Promoting Wellness

Joanne Sorte Inge Daeschel Carolina Amador

Oregon State University
Oregon State University

Community Health Centers of Benton and Linn Counties





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Media Producers: Autumn Benson and Emily Ryan

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S4Carlisle Publishing Services

**Composition:** S4Carlisle Publishing Services

Printer/Binder: Courier/Kendallville

Cover Printer: Lehigh Color/Phoenix/Hagerstown

Text Font: Garamond Book

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#### Library of Congress Cataloging-in-Publication Data

Sorte, Joanne.

Nutrition, health, and safety for young children: promoting wellness/Joanne Sorte, Inge Daeschel, Carolina Amador.

p.; cm.

Includes bibliographical references and indexes.

ISBN: 978-0-13-234941-3

- 1. Children—Health and hygiene—Textbooks. 2. Children—Nutrition—Textbooks.
- I. Daeschel, Inge. II. Amador, Carolina. III. Title.

[DNLM: 1. Child Nutritional Physiology Phenomena. 2. Child Care—methods. 3. Child Welfare.

4. Child. 5. Health Promotion. 6. Infant. 7. Nutritional Requirements.

WS 130 S714n 2011 RJ101.S655 2011

613.2083--dc22

2009046238



10 9 8 7 6 5 4 3 2 ISBN-13: 978-0-13-234941-3 ISBN-10: 0-13-234941-8

## Correlation of This Book's Chapter Content and MyEducationLab Content with NAEYC Standards for Early Childhood Professional Preparation Programs

#### NAEYC Standards and Key Elements

#### **Chapter Content**

#### Assignable Exercises on MyEducationLab tent (including videos, scenarios, or artifacts)

#### STANDARD 1: PROMOTING CHILD DEVELOPMENT AND LEARNING

- 1a. Knowing and understanding young children's characteristics and needs
- Knowing and understanding the multiple influences on development and learning
- 1c. Using developmental knowledge to create healthy, respectful, supportive, and challenging learning environments

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- 2a. Knowing about and understanding diverse family and community characteristics
- 2b. Supporting and engaging families and communities through respectful, reciprocal relationships

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## Nutrition, Health, and Safety for Young | Promoting Children Wellness

I extend loving appreciation to my parents, Jean and Burrell Godard, and to my family: Bruce, Cascade, Matt, Caden, Jerry, Misty, Isabelle, and Sally, who have taught me many things about nutrition, health, and safety and the joys of playing outdoors.

I would like to thank my husband Mark and our four children, Ariel, Lea, Kimberly, and Devin, for their love and support throughout the writing of this book.

I extend genuine appreciation to all children, each of whom bring wisdom, courage, and joy to the world. I would like to also extend an extra special thanks to my family: Scott, Lucia, and Oscar, who bring me great peace, joy, and awe.

Joanne Sorte

Inge Daeschel

Carolina Amador

## about the authors



From left: Joanne Sorte, Inge Daeschel, and Carolina Amador

Joanne Sorte has been an early childhood professional for more than 30 years. She earned her bachelor of arts degree in child development and family life, and her master of science degree in human development and family sciences at Oregon State University (OSU). She began her early childhood professional experiences as a home visitor for the Home Base program in Yakima, Washington. She then directed a preschool program for Lower Columbia College in Longview, Washington, and worked as the family services coordinator for Head Start. These experiences inspired her commitment to serving families from diverse backgrounds, while raising three children with her husband provided her many opportunities to experience the joys of child development and parenting. She taught in preschool settings for several years, until accepting a position on the faculty of Human Development and Family Sciences at OSU as director of the Child Development Laboratory in the Hallie Ford Center for Healthy Children and Families. She is also director of the OSU Oregon Head Start Prekindergarten Program and an active member of the Oregon Head Start Association. Recognizing the value of the laboratory preschool as a formative experience for children, families, and students, she guided the evolution of a blended early education program model where children from low-income families, children with special needs, and children from the general community attend preschool together in the early education laboratory. She directs the practicum experience for students majoring in early childhood development and education, supervises graduate students, and facilitates research on child development and wellness. She has coauthored an intervention program with Inge Daeschel called Health in Action: 5 Steps to Good Health. She enjoys advocating for education and being active with her family.

Inge Daeschel is a licensed and registered dietitian who is board certified as a specialist in pediatric nutrition. She received her bachelor of science degree in foods and nutrition science at Plattsburgh State University in New York. She completed her dietetic internship at Massachusetts General Hospital in Boston and received her master of science degree in nutrition science from the University of Tennessee at Knoxville. She worked at Duke University Medical Center, first as pediatric dietitian clinician and later as assistant chief clinical dietitian. This position was instrumental in developing her interest in helping families understand the nutritional needs of their children.

She and her family relocated to Oregon where she worked at the Corvallis Clinic and later accepted a faculty position as instructor in the department of Human Development and Family Sciences at Oregon State University (OSU) where she is health and nutrition services coordinator of the OSU Child Development Laboratory and the OSU Oregon Head Start Prekindergarten Program. She is also a nutrition consultant providing services to an area hospital, two WIC programs, and the Head Start and Migrant Head Start programs. Her expertise in feeding children is based on personal as well as professional experience, gained raising four children, including one with multiple food allergies. She has coauthored with Joanne Sorte an intervention program called *Health in Action: 5 Steps to Good Health*, which promotes wellness by providing focused messages that address nutrition and physical activity in early childhood programs.

Carolina Amador, M.D., is a board-certified pediatrician. She received a bachelor of education degree in speech pathology at the University of Georgia in Athens. She earned her medical degree from the Medical College of Georgia in Augusta and completed her residency in pediatrics at West Virginia University in Morgantown. She worked as chief resident in pediatrics at West Virginia University where she developed a lactation clinic as well as a focus on advocacy for breast-feeding mothers. She is in the process of obtaining a master's degree in public health from the University of Washington in Seattle with a focus on maternal and child health. She moved with her husband to Corvallis, Oregon, and has worked as a general pediatrician for 7 years and is currently employed by a community health center that serves a large percentage of Hispanics and migrant workers. During these years as a general pediatrician, she has developed professional interests in childhood obesity prevention, health disparities, and Latino health. She has been involved in community events and organizations advocating for children's health including the Oregon State University Head Start Health Advisory Committee, the Benton County Healthy Weight and Lifestyle Coalition, the Benton County Oral Health Coalition, and the Breastfeeding Coalition of Benton County. Throughout her years of education and medical practice, she has participated in several international health experiences in Ecuador, Honduras, Uganda, and Malawi.

## preface

This is an exciting time to be an early childhood educator. At the forefront of this excitement is the broad and enthusiastic confirmation that early childhood professionals play an important role in establishing the foundations of wellness for young children. Teachers of young children are experiencing new challenges, including an increasingly diverse population, more identified food allergies, concern about the obesity epidemic, more focus on serving children with special health care needs in classrooms, threats to children's safety, and increased awareness of the environment and the use of sustainable practices in early childhood settings. These issues also present fresh opportunities for teachers to appreciate the interrelationships among nutrition, health, and safety and to share their knowledge with children and their families.

This practical text provides students with a comprehensive understanding of the nutrition, health, and safety needs of young children from birth into school age. Furthermore, it prepares teachers to serve diverse populations of young children in family child care, child care centers, preschools, and elementary school settings. Students are brought into many classrooms through in-text examples and assignable, online video-based exercises on MyEducationLab, which bring concepts to life.

Our intention is to equip students with a strong understanding of wellness concepts, preparing them to implement healthful practices and teach young children ways to contribute to their own wellness. These skills emerge as students gain insight into how to enhance children's well-being:

Partner with children and families and nutrition, health, and safety professionals to promote wellness in young children. Students learn that they will work within a network of support to meet children's nutrition, health, and safety needs.

Implement and model appropriate wellness practices. Students will be able to design and use practices that are fitting for children's age and developmental capabilities in tune with children's developmental, health, and language needs and responsive to family cultural practices.

Recognize the important contributions of nutrition, health, and safety to children's learning and overall well-being. Students will be ready to:

- Provide wholesome nutrition that promotes optimal growth, development, and learning.
- Attend to children's individual health needs and implement healthful classroom practices that build wellness habits to last a lifetime.
- Establish environments and implement practices that ensure children's physical and emotional safety, creating the foundation for exploration, creativity, and discovery.

We extend a warm invitation to students to join the team of early childhood professionals who cherish these important early years and who celebrate each child's potential for a healthy, happy, and productive future. In the following pages, we describe how this text helps students to *understand*, *see*, and *teach* wellness concepts.

## helps students to understand wellness concepts





- Through anecdotes, cases, and authentic examples, the authors use a storytelling approach that helps contextualize wellness concepts for students. Chapter opening scenarios reveal common situations involving teachers, children, and their families grappling with nutrition, health, and safety issues. These scenarios are woven through each chapter to illustrate the teacher's role.
- Promotes culturally responsive teaching of nutrition, health, and safety concepts, including content about vegetarian, religious, and cultural diets and working with diverse families.
- Nutrition Chapters 3 to 8 break complex content down through clear writing, diagrams, and frequent classroom examples.
- Chapter 13 is a unique chapter on children's mental health.



#### Safety Segment

#### Thimerosal and Vaccines

ilmerosal is a mercury compound that was used until recently as a preservati ccines. The U.S. Food and Drug Administration (FDA) requires the use of pres-es with vaccines to prevent their contamination with dangerous organisms. Br eservatives were used, serious illnesses and deaths were reported from contamin

curies.

Considerable concern has been raised regarding a suspected association between merosal and autism. In 2001 and 2004, the Institute of Medicine conducted reviews usuing on the relationship between thimerosal and the neurodevelopmental deriverses of autism, attention deflict/hyperactivity disorder, and speech/language delay. The

Topical features in each chapter-Nutrition Notes, Safety Segments, Policy Points, and Health Hints-introduce readers to current issues in health, safety, and nutrition to create awareness and develop sound practices.



#### Nutrition Note

#### **Building Interest in New Foods**

Children are enthusiastic about cooking activities, and it is also fun for them to taste the results of their cooking projects. Cooking with children provides opportunities to teach about foods: where food comes from, how food smells, states, and feels, and how to prepare different kinds of food. Cooking also engages children in activities that help to develop motor skills as they use their arms, hands, and fingers. Children have different developmentally appropriate "kitchen skill" levels depending on their age. Understanding children's skill levels helps teacher to direct students to activities that help them feel successful. Kitchen skills for different age categories of children are listed below.

#### 2-Year-Olds

- Scrubbing vegetables and fruits
  Carrying unbreakable items to

  Carrying unbreakable items to

  Kneading dough Carrying unbreakable items to the table
- Dipping foods
   Washing and tearing lettuce
- Shaking a drink in a closed

  - Kneading dough
     Washing vegetables and fruits
     Serving foods
- · Scrubbing vegetables
  - Cutting soft foods with a plasti knife (mushrooms, hard-boiled)

  - Pressing cookie cutters



#### REDUCING HIGH-CALORIE SOFT DRINK CONSUMPTION IN SCHOOLS

In May 2006, the Alliance for a Healthier Generation, a joint initiative of the American Heart Association, the William J. Clinton Foundation, and the American Beverage Association, an rounced new school beverage guidelines that will Voluntarily remove high-calorie soft drinks from all U.S. schools by the 2009–2010 school year.

Although guidelines for preschool programs are not available, the recommendations for children in primary school allow the following:

- Bottuee water.
   Up to 8 ounces of milk or juice.
   Regular or flavored milk that is fat free or low fat that provides up to 150 calories per serving.
   100% juice that provides up to 120 calories per 8-ounce serving and 10% of the daily value for three vitamins and/or minerals.

hese guidelines have become the standard of practice for the soft drink beverage industry a ill be used as a basis for establishing contract arrangements with elementary middle, and hi



#### Health Hint

- Detailed training that discusses specifics of the diabetes medical management plan such as medication administration, blood glucose testing, and diet.
   Training on emergency care steps for low blood sugar levels including glucagon administration.
- ✓ Resources to contact for more information, such as those provided by the American Diabetes Association

- Diabetes Medical Management Plan
   Tips to Help Teachers Keep Kids with Diabetes Safe at School
   Solutions for Common Diabetes Management Concerns in the Classroom

# helps students to see wellness concepts . . . and apply them

### emergency use, but your program's practice is to lock the EpiPen with other medications in the director's

 Reflective What If....? situations place students in the classroom to think about how they would solve possible day-to-day challenges related to nutrition, health, and safety.

#### What if...

manage this?

What if...

a parent asked you to store her child's epinephrine autoinjector (EpiPen) in the classroom for

office? Is the parent's request legitimate? How would you

you wanted to support sustainability in early childhood settings? How would you approach this goal? How might teachers' sustainability practices influence young children?

MyEducationLab videos, artifacts, and other resources correspond to text
content in assignable exercises throughout the text to help students see how
early childhood professionals convey important health, safety, and nutrition
concepts to young children.





Go to the Assignments and Activities section of Topic 3: Menu Planning in the MyEducationLab for your course and complete the activity entitled Introducing Children to New Foods. How does this teacher entice her children to try different fruits and vegetables?

# helps students *teach* wellness concepts to children

- Chapter 2, Teaching Wellness Concepts, establishes the importance of children's learning through play and an integrated curriculum and also supports students who need to create learning activities in a field experience with a suggested activity plan format.
- Each chapter contains Teaching Wellness curriculum lesson activities presented in developmentally appropriate ways for infants and toddlers, preschoolers, and school-age children. Many of these can be viewed online in video-based assignable exercises in MyEducationLab.

# Teaching Wellness Planting a Three Sisters' Native American Garden Learning Outcome: Children will be able to describe how seeds planted in the ground grow into the vegetables where it is the property of the control of the planting of the control of the planting of the control of the contr

- The theme of being a good role model to children is emphasized throughout.
- Integrated curriculum for teaching nutrition, health, and wellness promotes current evidence-based practices.
- Content aligns with NAEYC professional preparation and program standards.

## instructor supplements

The following instructor tools supplement, support, and reinforce the content presented throughout the text. All supplements are available for download for instructors who adopt this text. Go to www.pearsonhighered.com, click on "Educators," register for access, and download files. For more information, contact your Pearson representative.

Online Instructor's Manual The *Instructor's Manual* provides chapter-by-chapter tools to use in class. Lecture or discussion outlines, teaching strategies, in-class activities, student projects, key term definitions, and helpful resources will reinforce key concepts and applications and keep students engaged.

Online Test Bank These multiple-choice and essay questions tied to each chapter provide students the opportunity to assess their understanding of the chapter content. An answer key is provided.

Online PowerPoint Slides Each slide reinforces key concepts and big ideas presented throughout the text.

**Pearson MyTest** is a powerful assessment generation program that helps instructors easily create and print quizzes and exams. Questions and tests are authored online, allowing ultimate flexibility and the ability to efficiently create and print assessments anytime, anywhere! Instructors can access Pearson MyTest and their test bank files by going to <a href="https://www.pearsonmytest.com">www.pearsonmytest.com</a> to log in, register, or request access. Features of Pearson MyTest include:

- · Premium assessment content
  - Draw from a rich library of assessments that complement your Pearson textbook and your course's learning objectives.
  - Edit questions or tests to fit your specific teaching needs.
- · Instructor-friendly resources
  - Easily create and store your own questions, including images, diagrams, and charts using simple drag-and-drop and Word-like controls.
  - Use additional information provided by Pearson, such as the question's difficulty level or learning objective, to help you quickly build your test.
- Time-saving enhancements
  - Add headers or footers and easily scramble questions and answer choices—all from one simple toolbar.
  - Quickly create multiple versions of your test or answer key, and when ready, simple save to MS-Word or PDF format and print!
  - Export your exams for import to Blackboard 6.0, CE (WebCT), or Vista (WebCT)!

#### Using MyEducationLab with This Book



Teacher educators who are developing pedagogies for the analysis of teaching and learning contend that analyzing teaching artifacts has three advantages: it enables new teachers time for reflection while still using the real materials of practice; it provides new teachers with experience thinking about and approaching the complexity of the classroom; and in some cases, it can help new teachers and teacher educators develop a shared understanding and common language about teaching. . . . <sup>1</sup>

As Linda Darling-Hammond and her colleagues point out, grounding teacher education in real classrooms—among real teachers and students and among actual examples of students' and teachers' work—is an important, and perhaps even an essential, part of training teachers for the complexities of teaching in today's classrooms. For this reason, we have created a valuable, time-saving website—MyEducationLab—that provides you with the context of real classrooms and artifacts that research on teacher education tells us is so important. The authentic in-class video footage, interactive skill-building exercises, and other resources available on MyEducationLab offer you a uniquely valuable teacher education tool.

MyEducationLab is easy to use and integrate into both your assignments and your courses. Wherever you see the MyEducationLab logo in the margins or elsewhere in the text, follow the simple instructions to access the videos, strategies, cases, and artifacts associated with these assignments, activities, and learning units on MyEducationLab. MyEducationLab is organized topically to enhance the coverage of the core concepts discussed in the chapters of your book. For each topic on the course you will find most or all of the following resources:

Connection to National Standards Now it is easier than ever to see how your course work is connected to national standards. In each topic of MyEducationLab you will find intended learning outcomes connected to the appropriate national standards for your course. All of the *Assignments and Activities* and all of the *Building Teaching Skills and Dispositions* in MyEducationLab are mapped to the appropriate national standards and learning outcomes as well.

Assignments and Activities Designed to save instructors preparation time, these assignable exercises show concepts in action (through videos, cases, or student and teacher artifacts) and then offer thought-provoking questions that probe your understanding of theses concepts or strategies. (Feedback for these assignments is available to the instructor.)

Building Teaching Skills and Dispositions These learning units help you practice and strengthen skills that are essential to quality teaching. First you are presented with the core skill or concept and then given an opportunity to practice your understanding of this concept multiple times by watching video footage (or interacting with other media) and then critically analyzing the strategy or skill presented.

<sup>&</sup>lt;sup>1</sup> Darling-Hammond, L., & Bransford, J. (Eds.). (2005). *Preparing teachers for a changing world*. San Francisco: John Wiley & Sons.

IRIS Center Resources The IRIS Center at Vanderbilt University (http://iris.peabody.vanderbilt.edu)—funded by the U.S. Department of Education's Office of Special Education Programs (OSEP)—develops training enhancement materials for preservice and in-service teachers. The center works with experts from across the country to create challenge-based interactive modules, case study units, and podcasts that provide research-validated information about working with students in inclusive settings. On your MyEducationLab course we have integrated this content where appropriate to enhance the content coverage in your book.

General Resources on Your MyEducationLab Course The Resources section on your MyEducationLab course is designed to help you pass your licensure exam, put together an effective portfolio and lesson plan, prepare for and navigate the first year of your teaching career, and understand key educational standards, policies, and laws. This section includes:

- Licensure Exams: Access guidelines for passing the Praxis exam. The Practice Test Exam includes practice questions, Case Histories, and Video Case Studies.
- Portfolio Builder and Lesson Plan Builder: Create, update, and share portfolios and lesson plans.
- Preparing a Portfolio: Access guidelines for creating a high-quality teaching portfolio that will allow you to practice effective lesson planning.
- *Licensure and Standards:* Link to state licensure standards, national health and education standards, and early childhood education standards.
- Beginning Your Career: Educate yourself—access tips, advice, and valuable information on:
  - Resume Writing and Interviewing: Expert advice on how to write impressive resumes and prepare for job interviews.
  - Your First Year of Teaching: Practical tips to set up your classroom, manage student behavior, and learn to more easily organize for instruction and assessment.
  - Law and Public Policies: Specific directives and requirements you need to understand under the No Child Left Behind Act and the Individuals with Disabilities Education Improvement Act of 2004.

**Study Plan** A MyEducationLab Study Plan is a multiple-choice assessment tied to chapter objectives, supported by study material. A well-designed Study Plan offers multiple opportunities to fully master required course content as identified by the objectives in each chapter:

- Chapter Objectives identify the learning outcomes for the chapter and give you targets to shoot for as you read and study.
- Multiple-Choice Assessments assess mastery of the content (tied to each chapter objective) by allowing you to take the multiple-choice quiz as many times as needed.
   Not only do these quizzes provide overall scores for each objective, they also explain why responses to particular items are correct or incorrect.
- Study Material: Review, Practice, and Enrichment gives you a deeper understanding of what you do and do not know related to chapter content. This can be accessed through the Multiple-Choice Assessment (after you take a quiz, you receive information regarding the chapter content on which you still need practice and review) or through a self-directed method of study. This material includes text excerpts, activities that include hints and feedback, and media assets (video, simulations, cases, etc.).
- Flash Cards help you study the definitions of the key terms within each chapter.

Visit www.myeducationlab.com for a demonstration of this exciting new online teaching resource.

#### **Acknowledgments**

We would like to thank the many reviewers whose valuable feedback and insights have helped shape and enhance our manuscript:

Sara Jane L. Adler, Washtenaw Community College Mary Elizabeth Ambery, Southeast Missouri State University Tracey Bennett, Vance-Granville Community College Isela Castanon-Williams, El Paso Community College Jamie Christensen, Iowa Lakes Community College Jane B. Dennis, Tarleton State University Rosanne Dlugosz, Scottsdale Community College Sherry L. Forrest, Craven Community College Jane A. Hildenbrand, Ivy Tech Community College James P. Hinkle, Fayetteville Technical Community College Jennifer M. Johnson, Vance-Granville Community College Susan Johnson, Northern Virginia Community College, Louden Janice Englander Katz, Child Care Consortium, Inc. Marian Marion, Governors State University Teresa S. McKay, Ivy Tech Community College Sherry Nolte, Honolulu Community College Mary A. Nunaley, Volunteer State Community College Sandra Poirier, Middle Tennessee State University Maureen Powers-Maiocco, The State University of New York at Canton Nicole Reiber, Coastal Carolina Community College Bernadette Rodriguez, Brookhaven College Ruth Saur, Lorain County Community College Rebecca Wardlow, Ashford University Andrea J. Zarate, Hartnell College

We also extend special appreciation to the students, children, and families of the Child Development Laboratory in the Hallie Ford Center for Healthy Children and Families at Oregon State University and to the teachers and staff for their expert advice: Shahrnaz Badiee, Anna Chase, Amelia Cobarrubias, Dana Crawford, Cris Dogaru, Sandi Hunt, Barb Whitney, Julia Limbrick, Kathleen McDonnell, Wendy McKenna, Rosie Schimerlik, and Jacquie Volkers, and Jaime Williams.

We would also like to thank the following individuals for their contribution to MyEducationLab: Julie Bullard, Greg Castor, Jeanne Czernowski, Ariel Daeschel, Jennifer England, Connie Gassner, John Harris, Ryan Kral, Debra Pierce, Nikki Reiber, Sharon Reid, Gigi Sims, and Dawn Warneking.

We extend special appreciation to the staff of the Community Health Centers of Benton and Linn Counties for enthusiastically serving underprivileged children in our community and for always offering their time and energy to advocate for children and their families.

Finally, we thank our editors, Julie Peters and Max Effenson Chuck, whose encouragement, expertise, and support made this book possible.

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#### STANDARD 3: OBSERVING, DOCUMENTING, AND ASSESSING TO SUPPORT YOUNG CHILDREN AND FAMILIES

- 3a. Understanding the goals, benefits, and uses of assessment
- 3b. Knowing about assessment partnerships with families and with professional colleagues
- 3c. Knowing about and using observation, documentation, and other appropriate assessment tools and approaches
- 3d. Understanding and practicing responsible assessment to promote positive outcomes for each child

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## STANDARD 4: USING DEVELOPMENTALLY EFFECTIVE APPROACHES TO CONNECT WITH CHILDREN AND FAMILIES

- 4a. Understanding positive relationships and supportive interactions as the foundation of their work with children
- 4b. Knowing and understanding effective strategies and tools for early education
- 4c. Using a broad repertoire of developmentally appropriate teaching/learning approaches
- 4d. Reflecting on their own practice to promote positive outcomes for each

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