

**Universal Design
for Learning**

NCE Conference
6/9 | 10:30 am
Shelly Mowinkel





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See?
Feel?
Touch?
Hear?
Smell?


Objectives



Creating a lesson plan that reaches all learners.



Analyze an all ready created lesson. Tips from [Magicschool.ai](https://magicschool.ai) to enhance the lesson.



Critically reflect on the steps involved in creating a lesson that accommodates all learners.

What is UDL?

Universal Design for Learning (UDL) is an approach to improve and optimize teaching and learning *for all*:

- (1) by setting clear goals
- (2) anticipating obstacles
- (3) intentionally creating lessons to minimize the challenges.

Why Charterie Boards?

Connection to Multiple Career Clusters

This was *my first intentional* use of the UDL for my Careers 8 class.



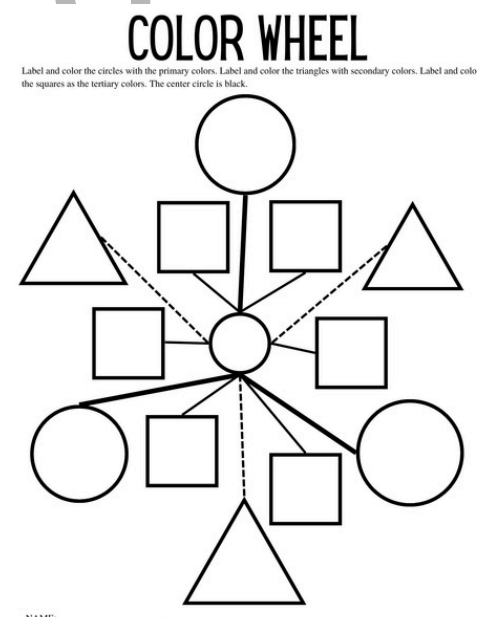
Caring for Communities	Building & Moving	Connecting & Supporting Success**
Education Early Childhood Development Education Administration & Leadership Learner Support & Community Engagement Teaching, Training, & Facilitation	Advanced Manufacturing Engineering Industrial Machinery Production & Automation Robotics Safety & Quality Assurance	Digital Technology** Data Science & AI IT Support & Services Network Systems & Cybersecurity Software Solutions Unmanned Vehicle Technology Web & Cloud
Healthcare & Human Services Behavioral & Mental Health Biotechnology Research & Development Community & Social Services Health Data & Administration Personal Care Services Physical Health	Construction Architecture & Civil Engineering Construction Planning & Development Equipment Operation & Maintenance Skilled Trades	Management & Entrepreneurship** Business Information Management Entrepreneurship & Small Business Leadership & Operations Project Management Regulation
Public Service & Safety Emergency Response Judicial Systems Local, State, & Federal Services Military & National Security Public Safety	Supply Chain & Transportation Air & Space Transportation Ground & Rail Transportation Maintenance & Repair Marine Transportation Planning & Logistics Purchasing & Warehousing	Marketing & Sales** Market Research, Analytics, & Ethics Marketing & Advertising Retail & Customer Experience Strategic Sales
Creating & Experiencing Arts, Entertainment, & Design Design & Digital Arts Fashion & Interiors Fine Arts Lighting & Sound Technology Media Production & Broadcasting Performing Arts	Cultivating Resources Agriculture Agribusiness Agricultural Technology & Automation Animal Systems Food Science & Processing Plant Systems Water Systems	Investing in the Future Financial Services Accounting Banking & Credit Financial Strategy & Investments Insurance Real Estate
Hospitality, Events, & Tourism Accommodations Conferences & Events Culinary & Food Services Travel & Leisure	Energy & Natural Resources Clean & Alternative Energy Conservation & Land Management Ecological Research & Development Environmental Protection Resource Extraction Utilities	**Cross-Cutting Clusters Denote careers that overlap in all industries, highlighting the versatile and interconnected nature of today's workforce. These careers can stand on their own or be contextualized in each Cluster and emphasize the need for adaptability in navigating the modern economy. Notes: Clusters are listed in alphabetical order. Clusters and Sub-Clusters represent the entire world of work (see definitions).

Arts, Entertainment & Design

Agenda

- Complementary Colors
- Texture
- Lines
- Shapes
- Contrasting Elements
- Emphasized Item
(Where Does Your Eye Go)
- Visual Appeal

Teaching Strategies



NAME: _____

DESIGN A SHOE



Design the below shoe using the Skittles color pallet.



DESIGN ELEMENTS

THE VISUAL DISTRIBUTION OF WEIGHT THROUGH COLORS, TEXTURE AND SPACE BALANCE HELPS MAKE A SPACE FEEL STABLE AND ONE ELEMENT OVERPowers ANOTHER ELEMENT.

IN THE SPACES BELOW WRITE THE DEFINITION OF EACH TERM AND DRAW A VISUAL FOR EACH TERM.

SPACE	SHAPE
UNITY	EMPHASIS

- Hands On
- Coloring
- Research
- Examples

Anticipating Challenges

- Concepts/Definitions
- Partner Work
- Modify Activities

Hospitality & Entertainment

3 E's

Entertain

Experience

(new flavors & foods)

Enjoy

(the people, the foods, the connection)

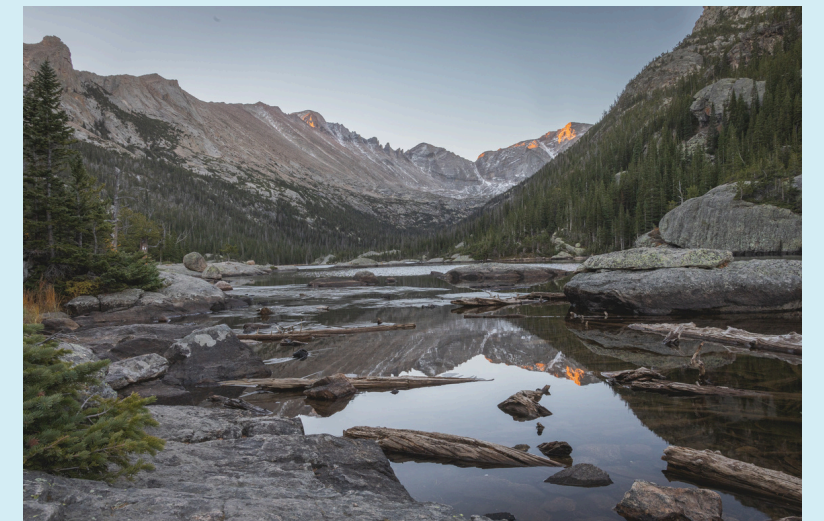
Teaching Strategies

Discuss How One *FEELS*

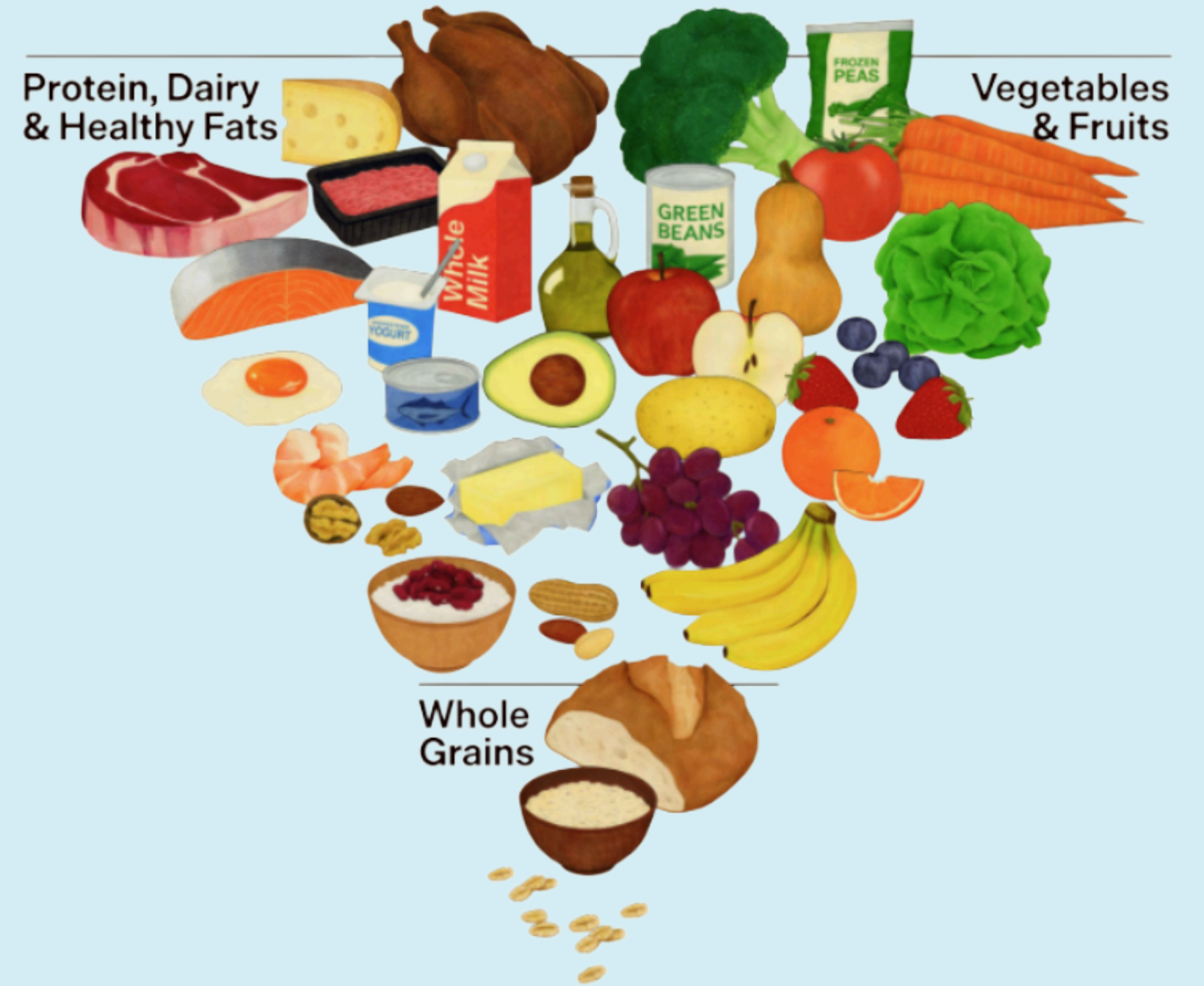
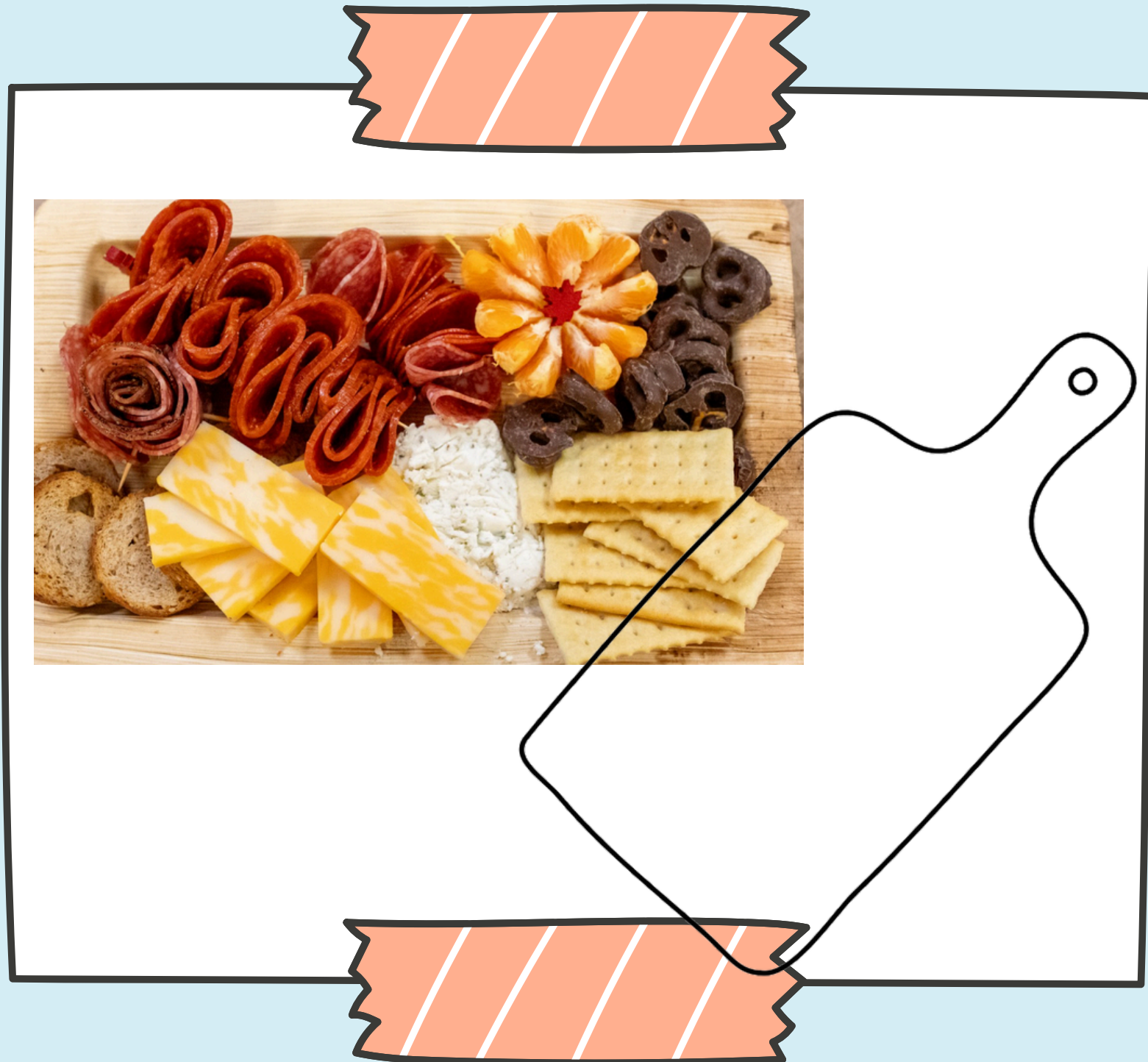
Trying New Things

and Experiences

Through Images



Healthcare & Human Services

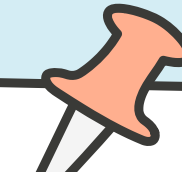


Food Science

Video Watching

Wisconsin Cheese Making

Fill in the blank/multiple
choice
class activity after the
video



Fill in the Blank

Fill in the blank with the correct words:

1. Milk is first tested and _____ to a specific temperature so cultures and rennet can work.
2. Starter cultures are helpful _____ that change milk sugars into acid.
3. Rennet is an _____ that helps milk form curds.
4. The liquid left after curds form is called _____.
5. Cheese curds can be eaten fresh or _____ as a popular snack.

enzyme, heated, bacteria, whey, fried

Multiple Choice Questions

Choose the correct answer from the choices for each question:

1. What is the main purpose of starter cultures in cheese making?
 - A. To add salt to the curds
 - B. To change milk sugars into acid
 - C. To separate curds from whey by force
2. What does rennet do during cheese making?
 - A. It flavors the cheese
 - B. It makes milk form curds
 - C. It drains the whey
 - D. It ages the cheese
3. Which term describes the solid pieces formed from milk during cheesemaking?
 - A. Whey
 - B. Salt
 - C. Curds
 - D. Cultures



Student Check In

See?

Feel?

Touch?

Hear?

Smell?

Experiencing The Lesson

Build A Charcuterie Board Day

Teacher Prep:

Purchase Foods that Meet All Food Groups

Purchase foods with different design elements

Have presentation available to review elements of design and nutrition as students build charcuterie board.

Students:

Create Charcuterie Board

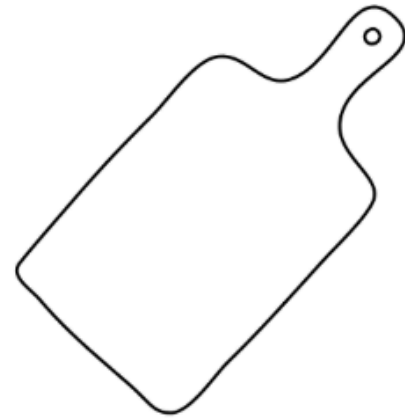
Reflect on: Experience, Entertain & Enjoy

Student Reflection

Name:

Charcuterie Board Reflection

Directions: In the space below, write a perfect paragraph sharing your experience with the charcuterie board workday. Please ensure your elaboration points discuss the three E's (enjoy, experience, and entertain). Once completed, submit this to your teacher.



Assessing the Lessons

Assignment Title	Assignment Description
Design Your Board	Create a visual layout of your charcuterie board, labeling each item and which MyPlate category each item belongs to.
Flavor Profile Chart	Develop a chart showing complementary tastes for your selected items.
Healthy Snack Research	Research and list at least three healthy snacks to include on your board.
Color Wheel Analysis	Create a color wheel showing the colors of the items you plan to use.
Texture Exploration	Write a short paragraph explaining how texture impacts visual appeal.
Charcuterie History	Summarize the history of charcuterie boards in a few sentences.

Choice Board

Peer Reflection	Write a reflection on what you learned from your partner's charcuterie board.
Design Elements Poster	Create a poster illustrating the key design elements of your board.

Teacher Resources

- MagicSchool
- (Choice Board)
-

NE Medicine
(Inverted Food
Pyramid Info)

Chatgpt
(Brainstorm
Worksheet
Questions)

YouTube
for Video

A combination
of all of my
other lesson.

Website Resource

poe.com



Fast, Helpful AI Chat

Chat with the best AI, privately or in a group chat. Explore Claude-Opus-4.8, Claude-Opus-4.7, Nano-Banana-2, GPT-Image-2, GPT-5.5, and thousands of others, all on Poe.

 poe.com

Helps brainstorm barriers that may occur in a UDL lesson.



Any Questions?

Thank You For Coming