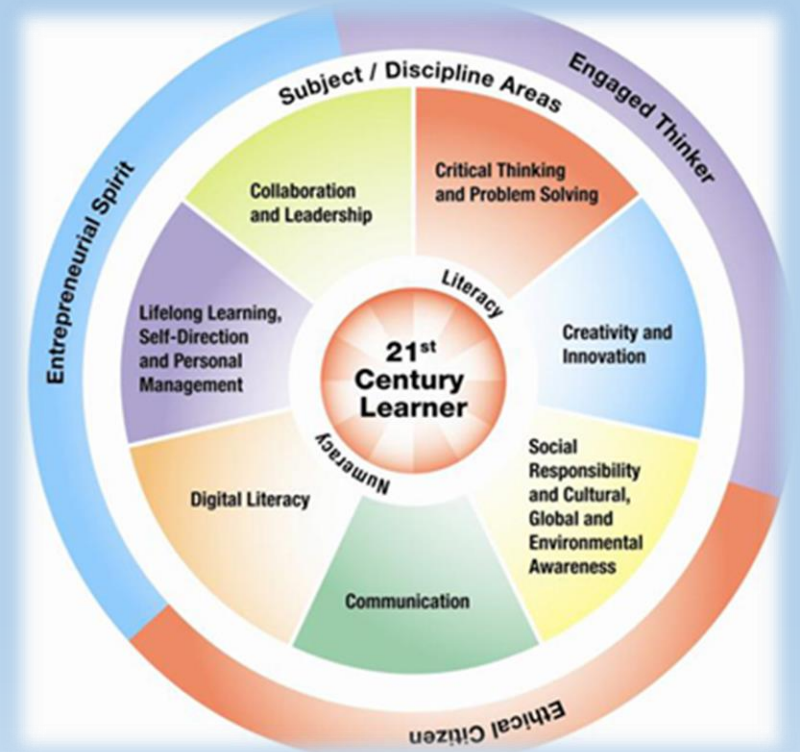


Implementation of Interdisciplinary Units at Duzine Elementary

Presented to the Board of Education
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Why Interdisciplinary units?

We're committed to 21st Century Learning.

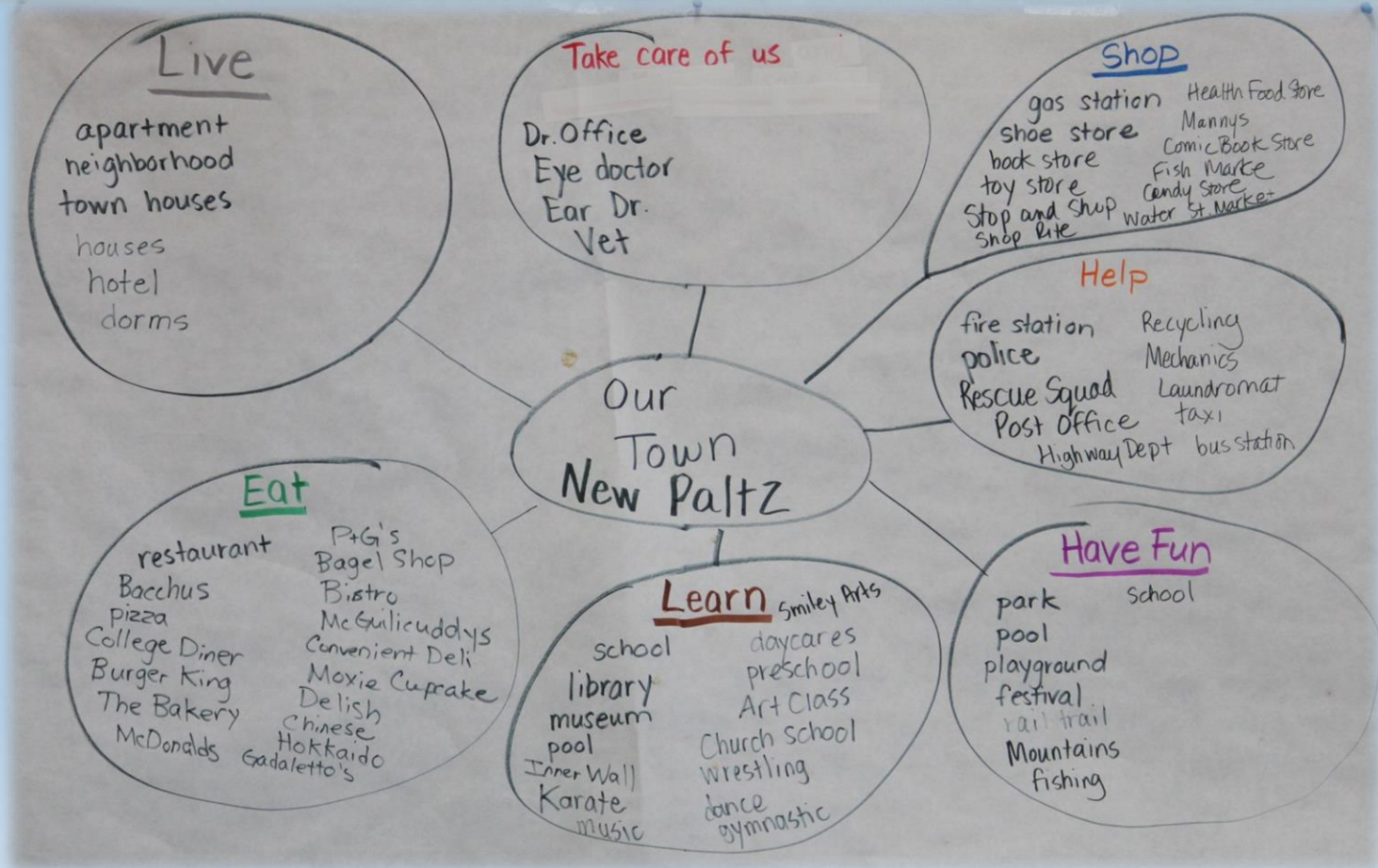
- Collaboration/Cooperation
- Student Choice
- Problem-Solving
- Discovery through Investigative Research
- Critical Thinking
- Visualizing and Representing
- Refining and Adapting
- Risk-taking
- Innovation

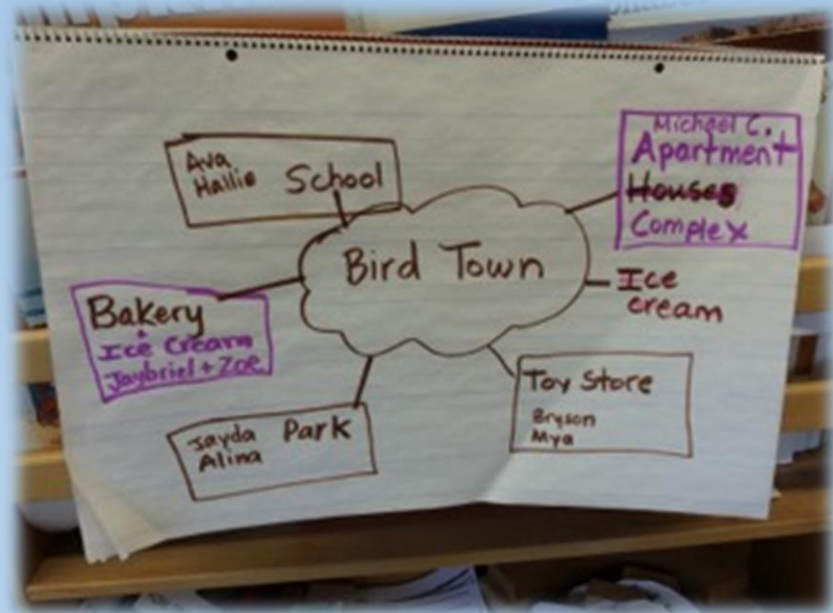
What is an Interdisciplinary Unit?

- Long term, deep learning experiences that integrate Science, Social Studies, Reading, Writing, Listening, Speaking, Math and the Arts
- Authentic, real-world, project-based learning
- Developmentally-appropriate research using a variety of sources
- Honors student choice and interests
- Field trips
- Supports our social curriculum through collaborative learning groups, self-assessment and presentations to the school community

What does it look like in Kindergarten?

- Our Town
 - What are the essential places in any community?
 - How does my community affect me?
 - How are people and their community interdependent?
 - Researching:
 - Places to live
 - Places that help and take care of us
 - Places to shop
 - Places to eat
 - Places to learn
 - Places to have fun





Homes and Housing in New Paltz

What do we know?

People live in houses. -Stella

Houses have doors. -Zoe

Every house has a roof. -Nya

Houses have bathrooms. -Amalia

Houses have bedrooms. -Willoughby

Houses have living rooms. -Layla

Every house has a sink for washing. -Cassidy

Some houses have basements. -Bryson

Some houses have fireplaces to keep people warm. -Evan

Houses have tables for eating. -Maple

Houses have bath tubs. -Halle

Houses have electricity. -Derek

Houses have places for beds. -Jayda

Houses have windows. -Andres

Houses have cauches for sitting. -Jaybriel

Some houses have garages for cars. -Bryson

Houses have decks. -Mia

What do we wonder?

How do they make the beds? -Nya

How does a toilet flush? -Jayda

How is the deck made? -Michael

How do you make the door? -Jaybriel

How do they make the chimney? -Evan

How do they put in a window? -Cassidy

How do they make the windows made? -Halle

How do the walls stand up? -Ava

How do they make the witer pump? -Jayda

How do curtains work? -Derek

How do the lights turn on outside? -Mia

How does the stove get hot? -Willy

How do they make the basement? -Michael C.

How is the floor made? -Devin

How do they make a garage? -Bryson

What have we learned?

It's easy to make a little house and hard to make a big one! -Devin

In a partments, people put in wires so that electricity can come in and turn on the lights! -Devin

Water comes from a well which comes up into your house with a pump. -Mia

I learned how to make a kitchen: a stove, a refrig, a table. -Bryson

In a farm, the barn needs water, hay, some things to eat and pens. -Stella

You can build a house with all kinds of materials. -Stella

You can build a roof out of wood. -Amalia

Houses are made of all kinds of materials. -Alina

It is hard to make cement. -Deck

Bathrooms need doors for privacy. -Jilly-briel

The stove can work with a propane tank. -Willo

Houses can be made of bricks! -Ava

Windows are plastic or glass and cut out of the wall. -Cassidy

The people making a house have to work together. -Zoe

Doors can be made from wood and steel. -Jayda

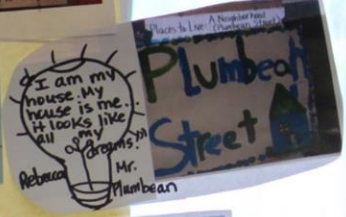
A garden needs water. -Halle

Some houses have garages. -Michael G.

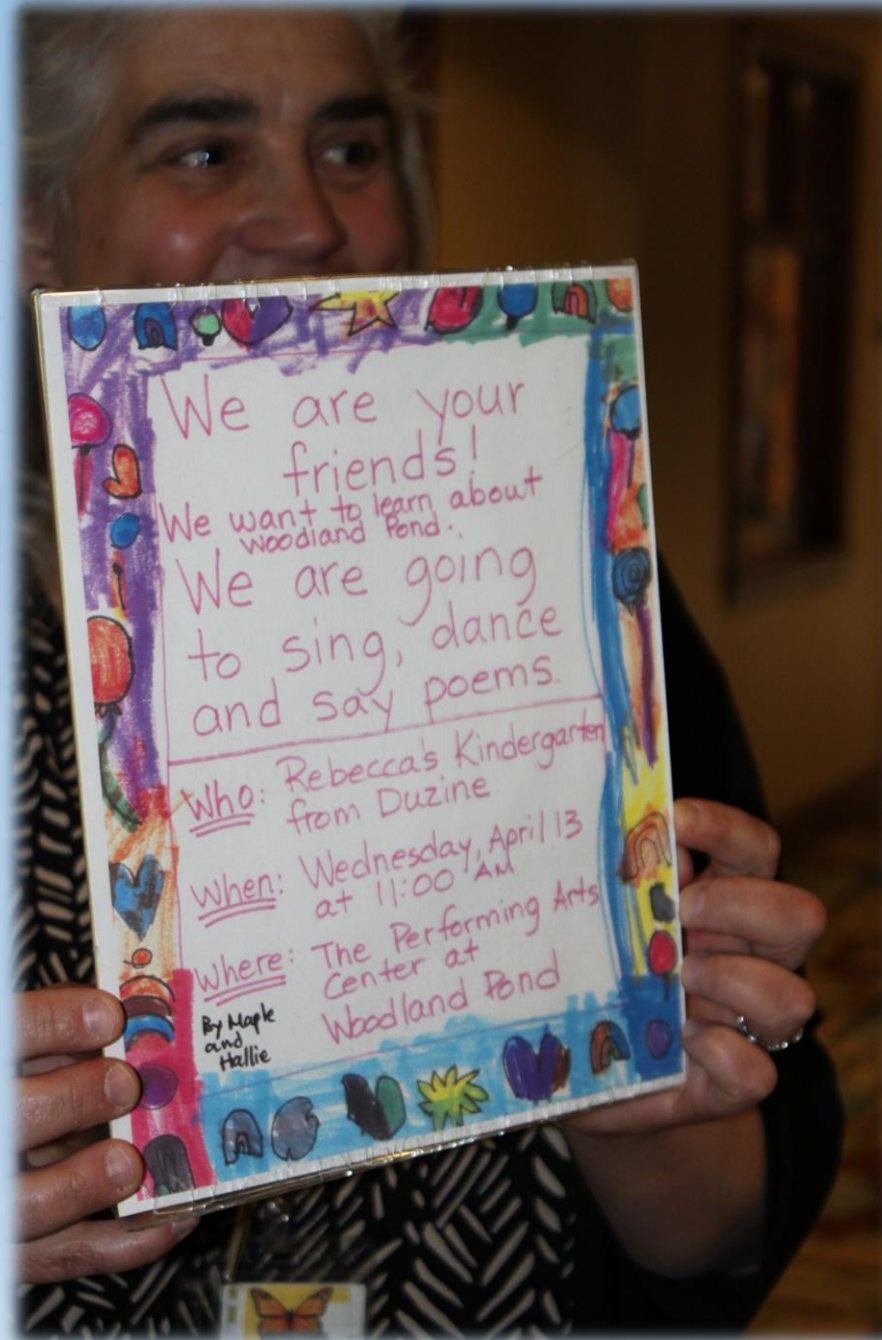
You can make a door out of wood. -Maple

Lights turn on with electricity. -Amalia

Some houses have decks and some don't. -Michael C.



Woodland Pond





First Care







Communities have places to live

Places to Live: SUNY New Paltz Student Dorm and Gym



WO LEEVOW FRM



X-ray Room



Shopping
What do you wonder?
What happens to the money after you pay?

Visiting "Our Town"



What does it look like in First Grade?

- Animal Island
 - How do animals meet their basic needs?
 - How does the environment influence how animals survive?
 - How are animals and their living environment interdependent?
 - Researching:
 - Interdependence of living things in the environment
 - Local birds, fish and mammals
 - Food
 - Habitat/Ecosystem
 - Life Cycle
 - Physical Features
 - Mapping





First Grade News



What will it look like in Second Grade?

- Biomes – A self-contained ecosystem
 - How does growth and change happen over time?
 - How are plants and their environment interdependent?
 - Researching/Exploring:
 - Water Cycle
 - Life Cycle of Plants
 - Habitat/Ecosystem
 - Measurement/Data Collection (e.g. observation; predictions; recording; interpreting)
 - Cause and Effect



Biomes



Second Grade Ecosystems



Results and Revisions

- Kindergarten and First Grade Teachers have reviewed our qualitative data (e.g. portfolios, end of unit projects, presentations, anecdotal evidence)
- Through these units our students are:
 - Highly motivated
 - Deeply engaged
 - Demonstrating 21st century skills and competencies
 - Applying learning through real-world experiences and play
- Each year, we meet to reflect on the results and learning outcomes of our units.
 - In grade level groups, we revise our curriculum to better meet the learning needs of our students.