

Morningside Elementary



5th Grade 2025 NEED Project –Bringing our A game!

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“Bringing our A game” in 2024-2025 at Morningside Elementary! We are proudly continuing our journey as an “A” rated school, leveraging the invaluable resources from the NEED Project. Our 5th grade students recently showcased their knowledge at the Indian River Lagoon Science Festival through an impressive “Energy Expo.” They relished the opportunity to interact with attendees and educate them about various energy sources.

Looking ahead, we are excited to host an “Energy Expo” and “Energy Carnival” at our school in May. During these events, our 5th graders will take on the role of educators, teaching other grade levels about the sources and forms of energy. Student leaders will craft engaging NEED Project “Energy Carnival” games and organize hands-on investigations and energy-themed activities. Through the Science of Energy investigations, students will explore how energy transforms and will use these insights to educate their peers during the carnival.

Thanks to the NEED Project curriculum, Morningside students have access to current and highly engaging resources. The “Kids teaching Kids” approach with the NEED Project curriculum is a win-win strategy, helping us maintain our “A” status and proudly represent St Lucie County Schools as a premier destination for education.



Goal 1: Host an “Energy Expo” at the Indian River Lagoon Science Festival

Energy Content Activities

1. **5th grade students** studied various sources of energy and created informative posters and demonstrations for the Indian River Lagoon Science Festival.
2. Students presented their posters to their classmates.
3. At the festival, students hosted an **Energy Expo**, engaging with attendees and sharing their knowledge.

Student Leadership

1. Students took charge of researching their chosen energy sources and designing exhibits for the festival.
2. They were responsible for managing the school's table at the festival.
3. Students demonstrated energy transformations to festival attendees, showcasing their understanding and leadership skills.

Resources

1. **Energy Expo Unit**
2. **NEED Energy Infobooks**
3. **Science of Energy** hands-on experiment materials

Evaluation

1. Teachers monitored student presentations at the festival.
2. Students took a unit test on energy.
3. Evaluation of student posters for the Energy Expo.



Our mission is to help people realize that science is relevant, interesting, fun, and an important part of their lives by promoting community knowledge and experience with science-based organizations in the local area.

HOST AN EXHIBIT

The culminating event of the IRL Science Festival is on **Saturday, October 26, 2024, from 10:00 AM -3:00 PM**. It takes place at Veterans Memorial Park at the River Walk on the waterfront in Fort Pierce. The event is rain or shine!

The IRL Science Festival is an opportunity for Science, Technology, Engineering, Arts, and Math (STEAM) organizations and businesses to share their work with the Treasure Coast community through hands-on, minds-on activities and demonstrations. We reserve the right to exclude any potential exhibitors that do not align with the theme of the festival.

MEET OUR 2024 EXHIBITORS



Morningside Elementary

MSE Energy & Everglades Ambassadors

The IRL Science Festival is organized by members of the community for the community.



Morningside Elementary School

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October 27, 2024 · 🌐

Our 5th graders presented their energy projects, and our Everglades Ambassadors worked hard to convince our community members to save the Everglades! #Indian River Lagoon Science Festival 🌱



Morningside Elementary School

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Pictures
from the
festival that
are on our
school
Facebook
page



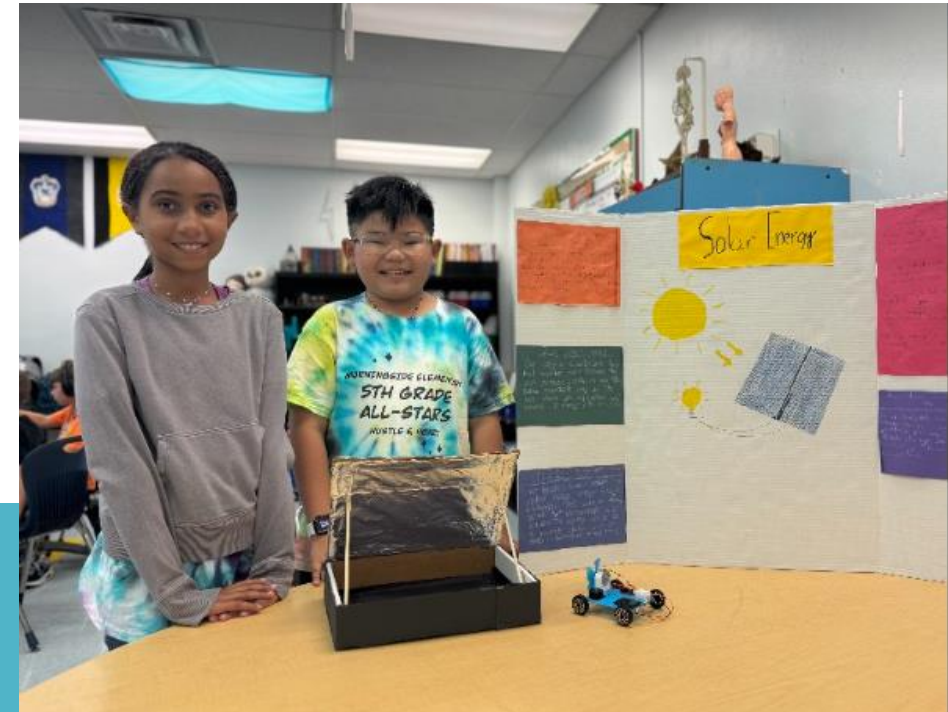
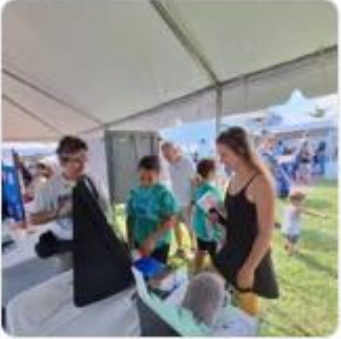
Morningside Elementary School

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Kids teaching Kids and Adults in the Community!

Indian River Lagoon Science Festival



Goal 2: Host an Energy Carnival and Expo

Energy Content Activities

1. Students research an energy source and create an informative poster.
2. Students prepare a game for the energy carnival.
3. Students are assigned a Science of Energy station to teach others.

Student Leadership

1. Student leaders research an energy source and create an engaging poster.
2. Student leaders will prepare a game for the Energy carnival and plan to lead the game during the event.
3. Students will learn a Science of Energy station to teacher others.

Resources

1. NEED Elementary Science of Energy Unit
2. NEED Energy Info books
3. NEED Energy Expo unit
4. NEED Energy Carnival unit

Evaluation:

1. Unit test on energy
2. Student interest and participation
3. Teacher monitoring of presentations
4. Feedback from other students and teachers about presentations
5. Feedback from other students and teachers after the carnival.

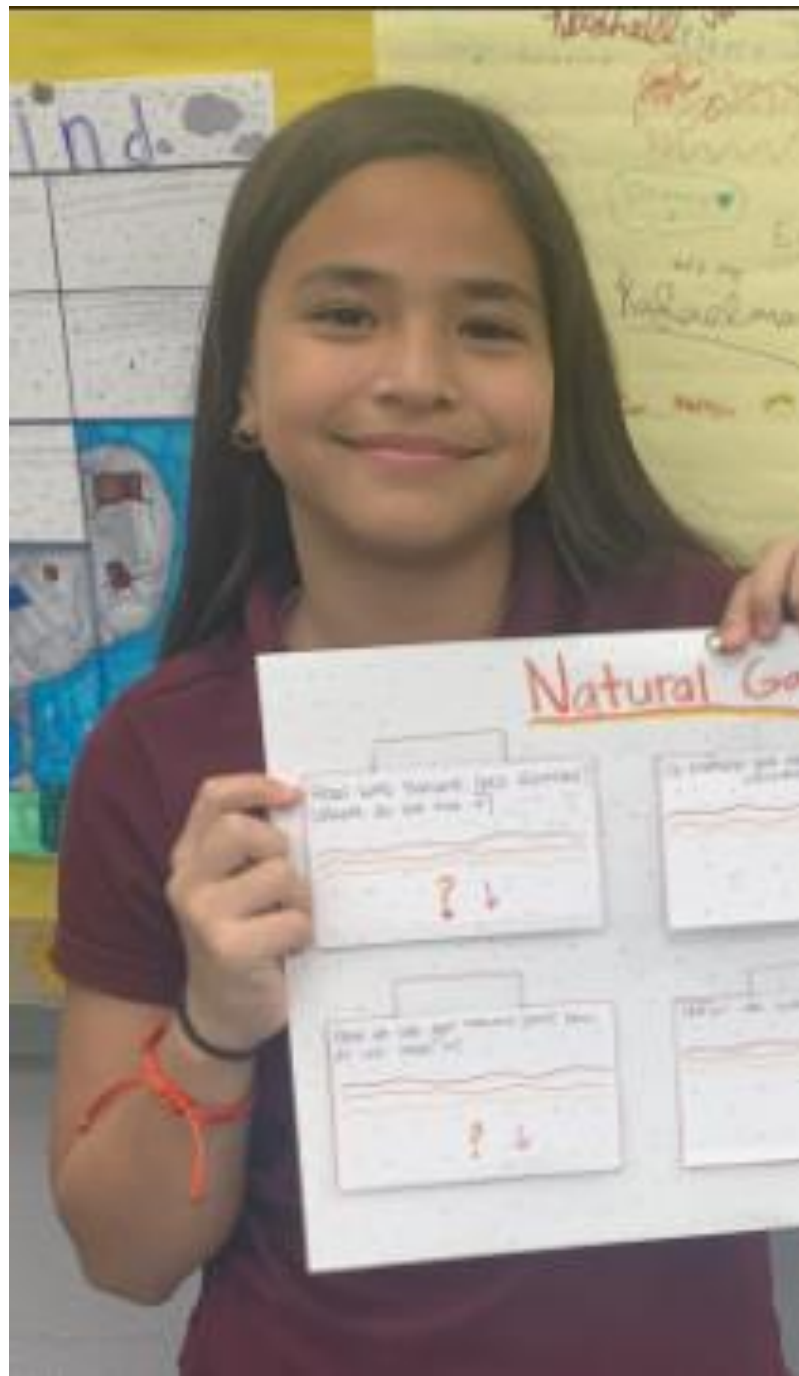
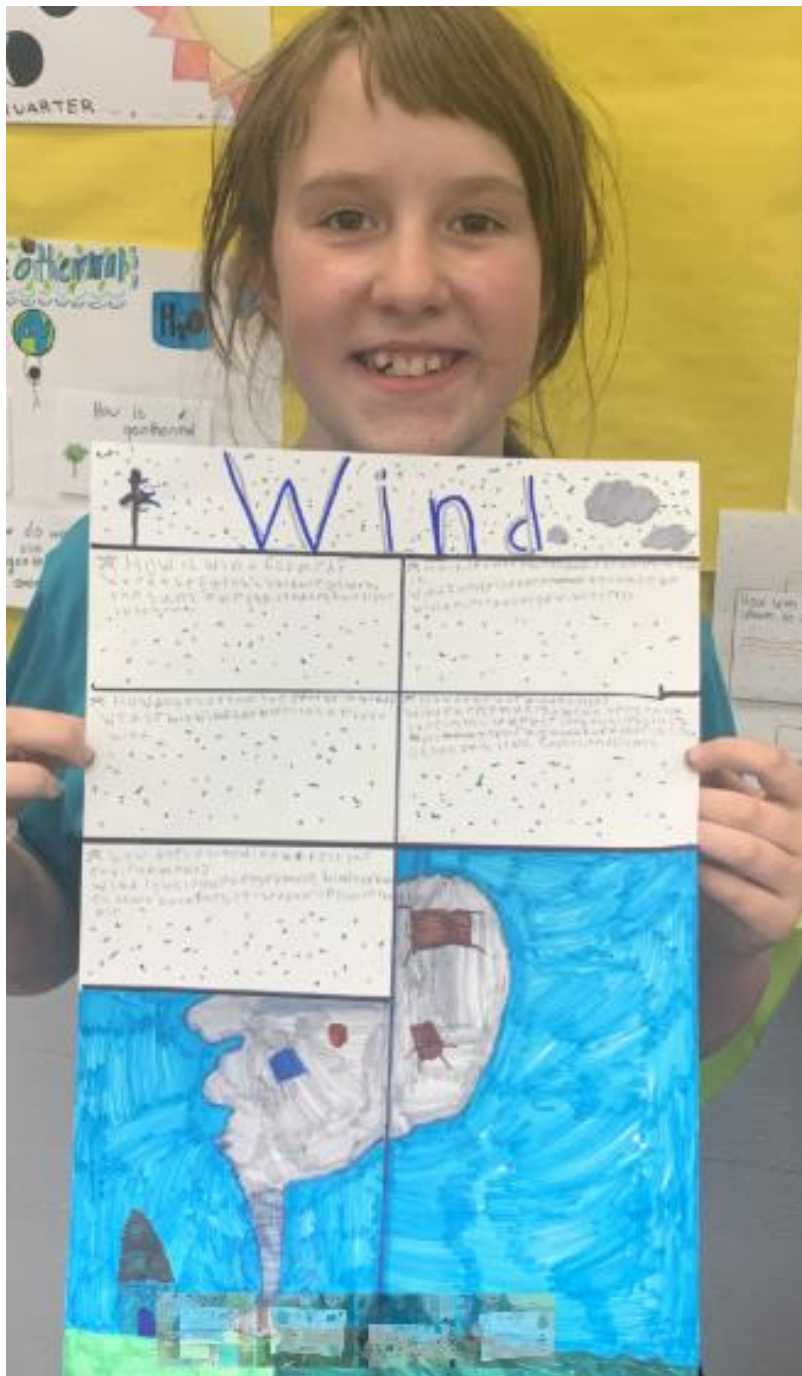
Materials	
Materials needed for all game stations:	
•Table •Chairs	•Energy trucks •Prizes •Timer or watch •Coupons or cards and stamps (optional for individual play)
CARNIVAL GAME	MATERIALS NEEDED
Energy Equations Molly	•Masking tape •Ring toss set or another tossing game •Math problems and answer key •Pencil or markers •Scrap paper or dry erase boards •Erasers •Energy equations and answer key •Calculators (optional)
Energy Jumble Abraham	•Pencils •Blotter •Sharp object (tack or button) •Energy Jumbles and answer key
Energy Pictionary Trinity	•Pencils •Paper •Dictionary words
Energy Pursuit Alexa	•Cardboard and/or cardstock •Crayons or colored pencils •Energy Pursuit questions •Energy Pursuit game board and wedges
Energy Slush Emilia	•Dark paper •Paper clips or rubber bands •Free pass cards •Energy Slush cards •Energy Slush sample words and clues (or answer key)
Energy Taboo Nevaeh	•Index cards •Paper clips •Energy Taboo words list
Energy Knockdown Isabella Suarez	•10 Soda cans •Foam ball •Masking tape •Energy Knockdown graphics sheets •Energy Knockdown questions

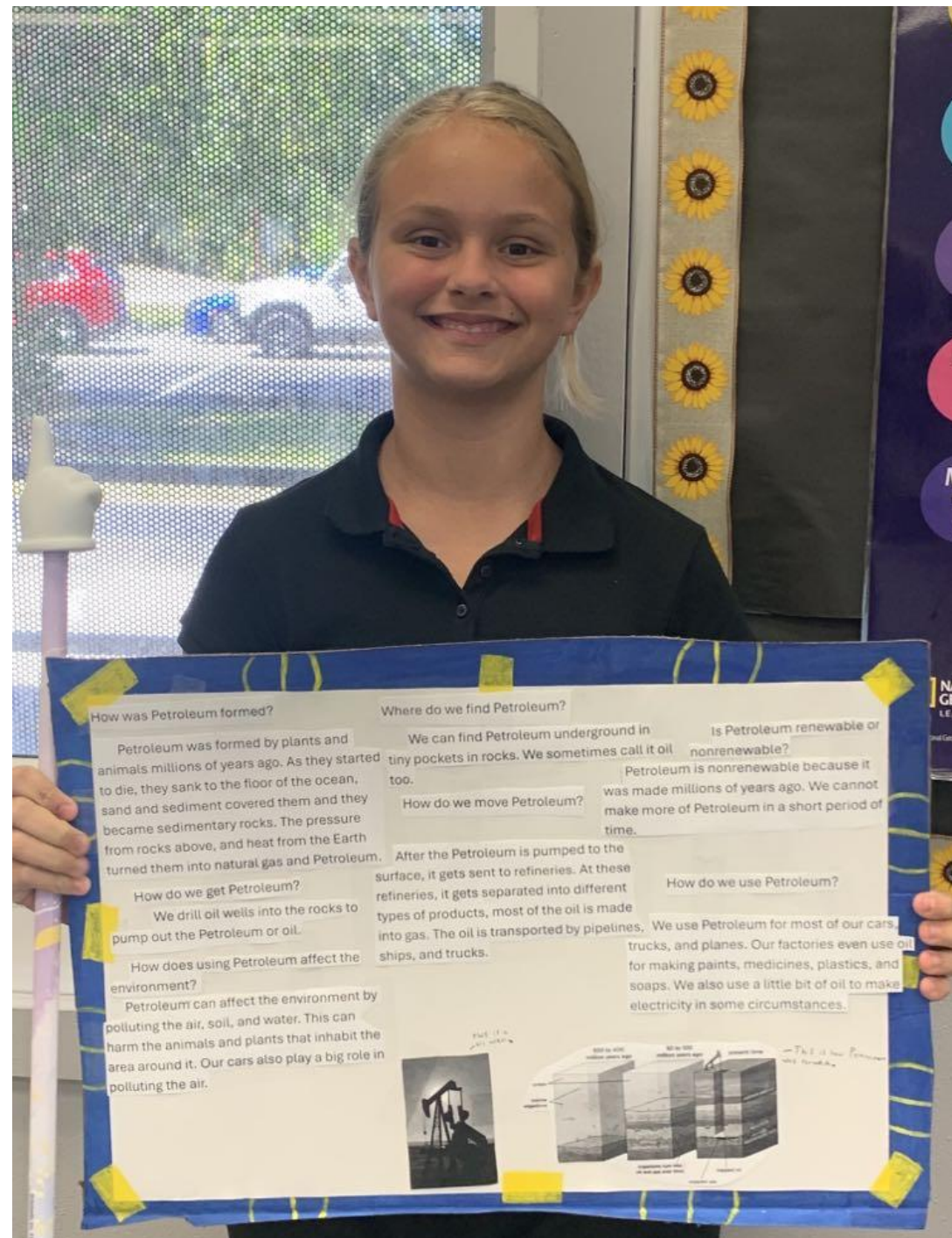
Energy Carnival Plans

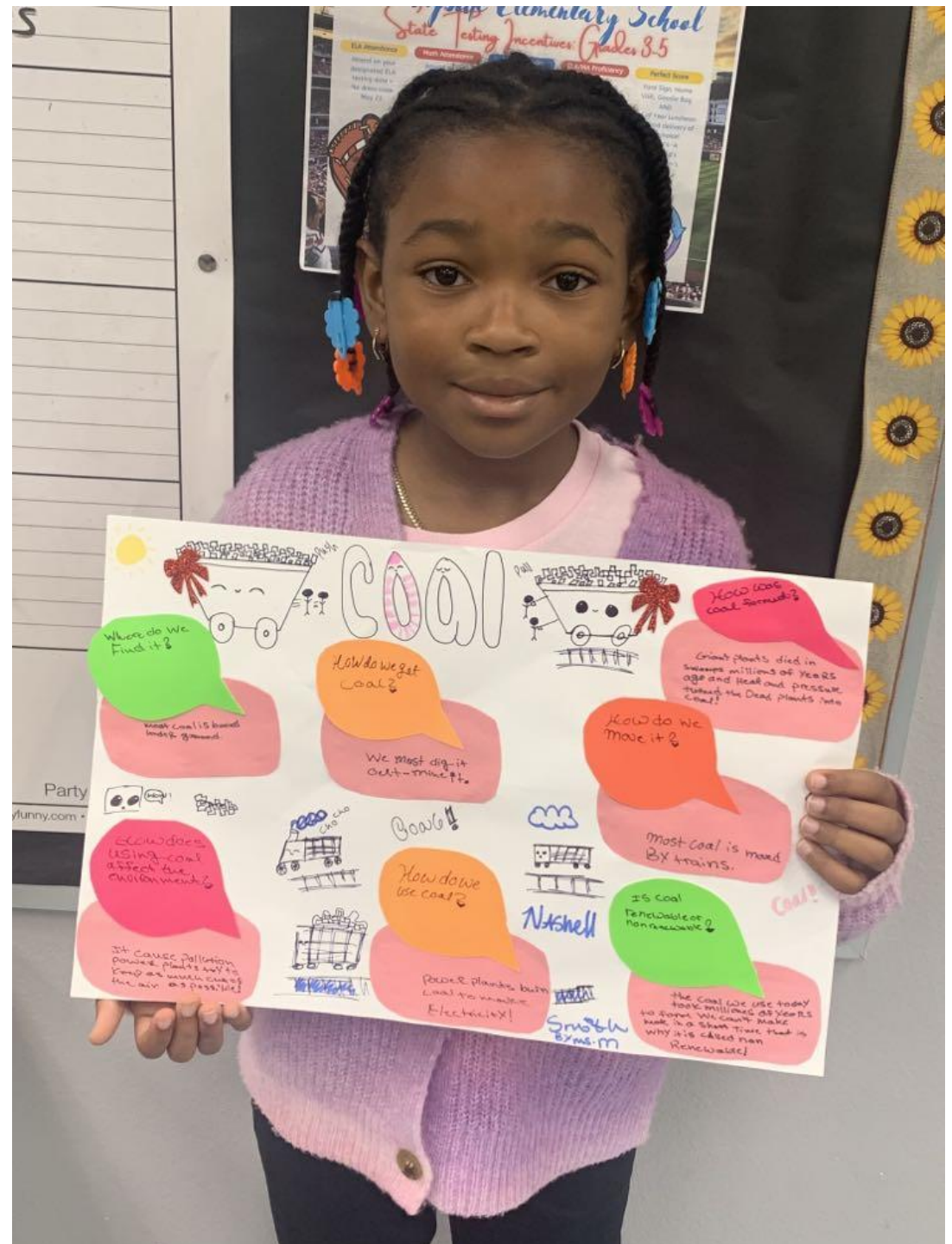
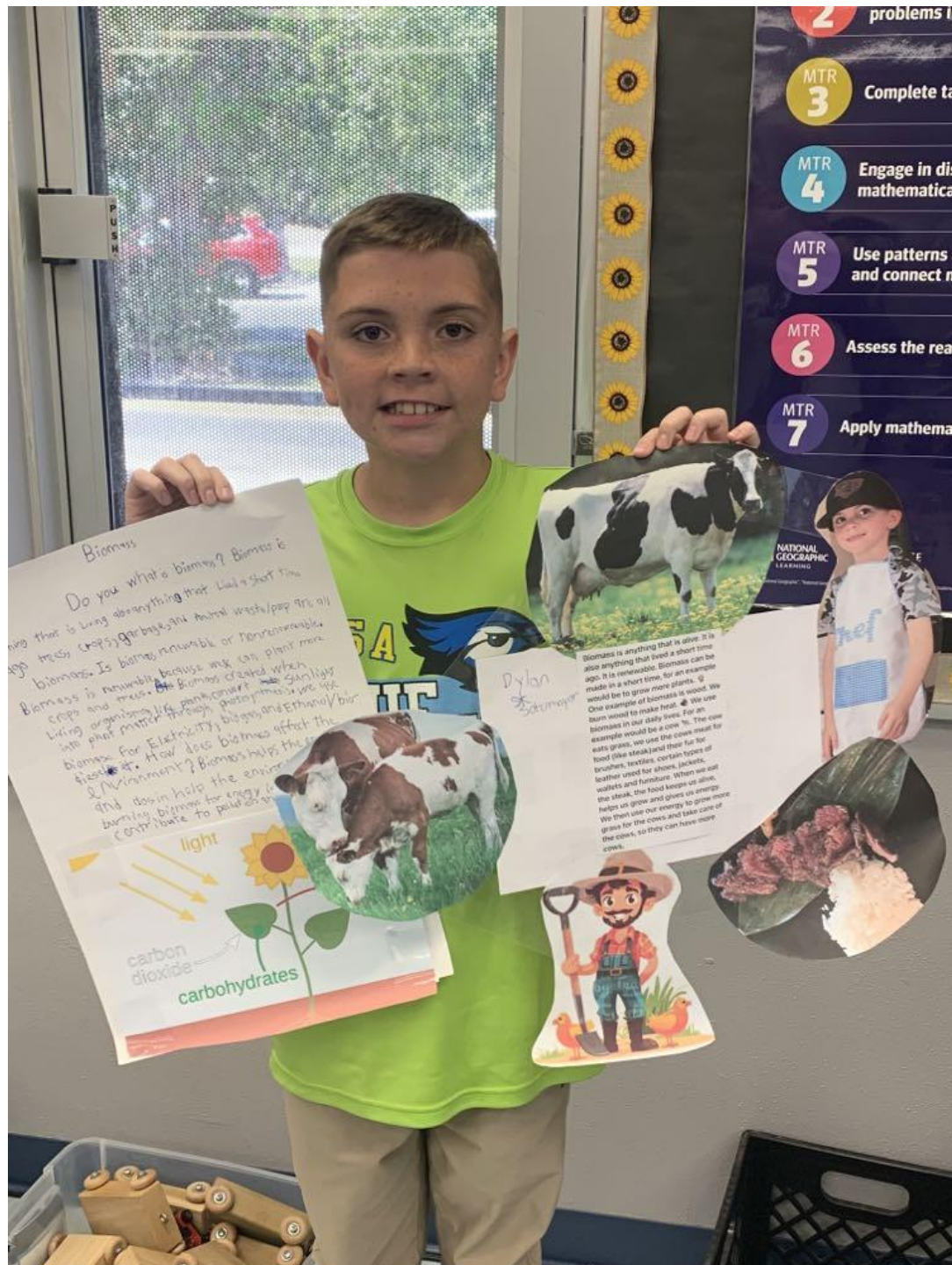
CARNIVAL GAME	MATERIALS NEEDED
Source Separation Olivia	•Large Cardboard box or 4 small containers •Newspaper •Aluminum foil •Foam or plastic cup •Soup can •Masking tape •Source Separation questions
Top Five Julian	•Marker •Dark paper •Paper clips •Top Five board graphics (on darker paper) •Top Five category list and answers
Wheel of Energy Jordyn	•Paper fastener •Cardboard or cardstock •Paper clips •Envelopes •Energy phrases and answers •Wheel of Energy or Wheel of Energy Efficiency graphic
Lights Out! Dylan	•Cardboard or cardstock •Colored paper •Paper clips •Envelopes •Lights Out! graphics



MORNINGSIDE
ELEMENTARY SCHOOL







Science of Energy Stations

Station One	Potential and Kinetic Energy- Molly and Abraham
Station Two	Endothermic and Exothermic Reactions- Trinity and Olivia
Station Three	Radiant Energy Transformations- Alexa and Emilia
Station Four	Thermal Energy and Motion Energy- Nevaeh
Station Five	Chemical Energy- Jordyn and Dylan
Station Six	Electrical Energy- Isabella



We're an
"A"
School!



Carnival Games

Energy Equations

Energy Jumble

Energy Pictionary

Energy Pursuit

Energy Sleuth

Energy Taboo

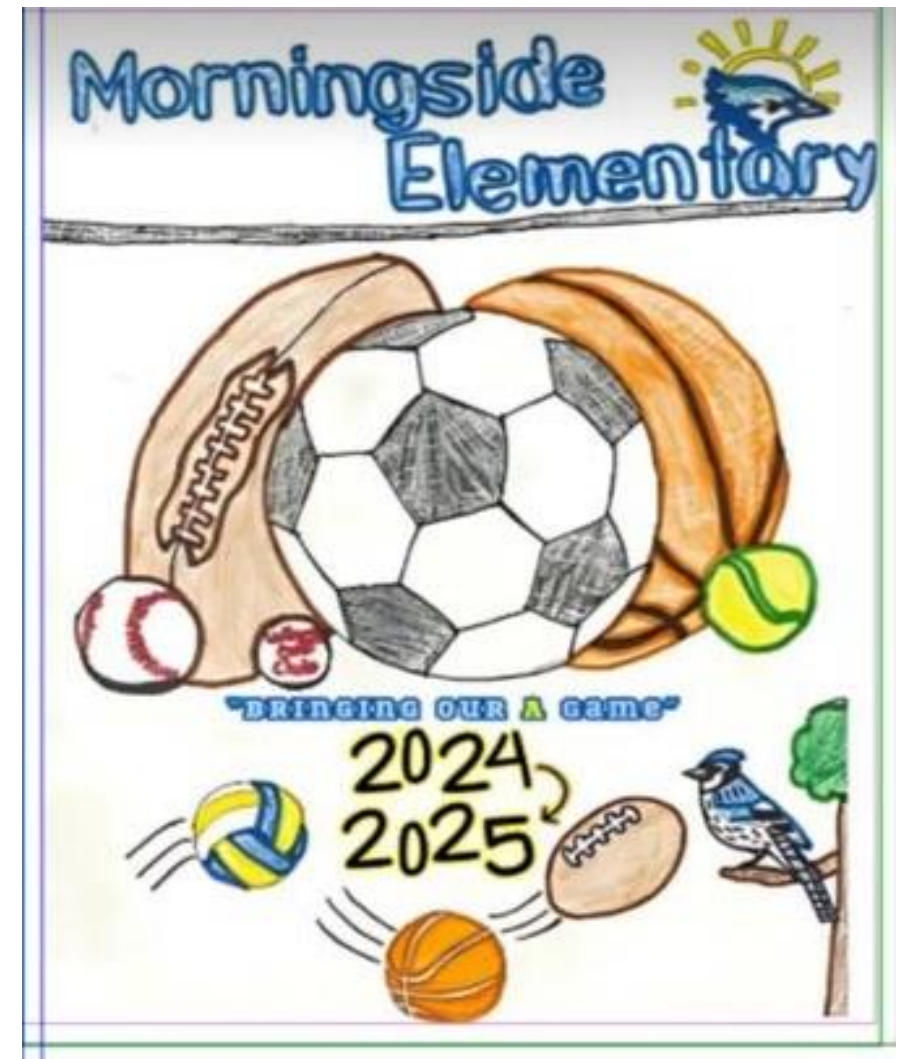
Energy Knockdown

Source Separation

Top Five

Wheel Of Energy

Lights Out!



We will bring our **A** game to our Energy Carnival in May!