

**St Margaret
Catholic School
Lake Charles, La
Student Leader:
Scarlet Reeves
Student Team: BJ
Willis, Luke
lechtenberg ,
Channing pradia
Sponsor: Judy
Reeves**



NEED YOUTH AWARDS PROGRAM FOR ENERGY ACHIEVEMENT

REQUIRED APPLICATION INFORMATION PLANNER

State: La School Name: St. Margaret Catholic School

Students should fill out this form with the help of a teacher and use this information when completing online submission of the application and project. Projects must be submitted online by April 15, 2022. Contact NEED at 1-800-875-5029 with any questions.

PROJECT LEVEL:

- ☐ Primary (K-2)
- ☐ Elementary (3-5)
- ☒ Junior (6-8)
- ☐ Senior (9-12)
- ☐ Family (K-12)
- ☐ School District Energy Efficiency Conservation
- ☐ First Time Entry/Rookie

PROJECT TYPE:

- ☒ Signature (15 slide maximum)
- ☐ Foundations (4 slide maximum)

CHECKLIST:

- ☒ Application: Information compiled and entered online
- ☐ Digital project is submitted and contains:
- ☒ summary
 - ☒ school name and leader names
 - ☒ reporting of goals
 - ☒ documentation (photos, etc.)
 - ☒ fits within the slide requirements
- ☒ Digital project file name includes school or team name
- ☒ Video link has been provided (optional) on slides

Project Title

The Energy Efficants

Full School Name

St. Margaret Catholic School

Club Name (if applicable)

School Street Address

2510 Enterprise Blvd

School District

Diocese of Lake Charles

City/Town

Lake Charles

County

Calcasieu

State

La

Zip Code

70601

School Phone Number (Area Code)

337-436-7959

Last Day of School

May

U.S. Congressional Representative

School Fax Number (Area Code)

337-436-

Email Address

Jreeves@stmcs.com

School Website

www.stmcs.com

Project Advisor (Parent for families)

Judy Reeves

Student Director(s)

Scarlet Reeves

School Principal

Wendy Wilke

Number of Students Coordinating Project

5

Number of Students Reached

200

Number of Community Members Reached Directly

500

Number of Community Members Reached Indirectly (media coverage, etc.)

5000

Home Phone Number of Advisor (Area Code)

337-302-4830

Hours Spent on Project Collectively

120 Hours

THE FINE PRINT

As the project advisor and student director(s), we declare that the project submission has been assembled with the participation of students and that all information and data in this report are true. We have double-checked to ensure that all materials are included and that documentation has been limited to 4 or 15 slides, as applicable. Participants acknowledge that submission, materials, and other documentation provided may be displayed at www.NEED.org.

Project Advisor Signature

Judy Reeves

Project Advisor Printed Name

4-14-2022

Date

Student Director(s) Signature(s)

Scarlet Reeves

Student Director(s) Printed Name(s)

4-14-2022

Date

Our Goal is to Increase Energy Knowledge on Renewable and Non Renewable Energy Through Teaching Kids and to Bring Awareness to Recycling to the Elementary Side of the School by Talking Trash...

Students at St Margaret Catholic School have met the challenge. We recycled enough plastic, and we saved enough energy to run a retail store for 1 year. We held a contest to encourage our elementary classes to get on board and recycle. Since covid and the hurricanes, we have to bring our own ware to school so loads of plastic were not landing in the garbage dumps. Scarlet, Anna-Katherine, Matthew, and Kaleah talked trash to the students explaining the difference between recyclables and trash. We held a contest for 6 weeks awarding treats for the class who recycled the most. Wow, what a success! Mrs. Booth's class and Mrs Heinemann's class were in the lead for the entire time.

Energy in Our Environment...

Students invited speakers, who were educated on energy sources, to our school. We tried to go to local refiners, but many are still in repair from hurricane damage. Mr Kieser visited our 8th grade class and shared his knowledge of all energy sources in Louisiana. Of course his plant is Biomass (rice hulls fuel). Students participated in Energy Chants, Science of Energy, and Energy Research to become energy experts in their field. The Energy Expo will be held in May, but the preparations are ready to host. Due to limited space, 2nd - 6th grade's Energy Expo will be held outdoors. This year has been an adventure with a lot of innovative ways to teach and discover energy in Louisiana .

Goal : Students at St Margaret Catholic Schools Goal is to educate the students, staff, and parents on energy awareness and conservation ..

ACTIVITIES AND TASKS

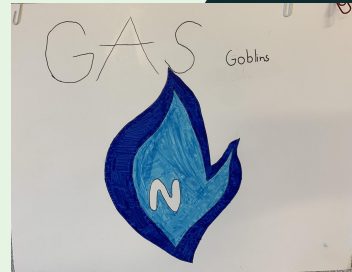
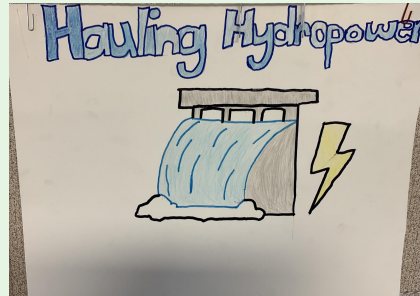
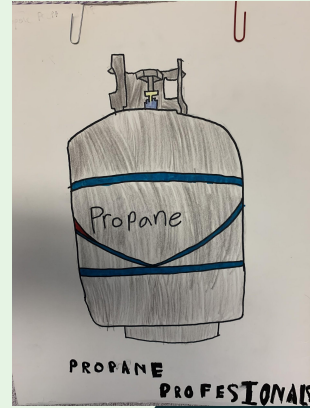
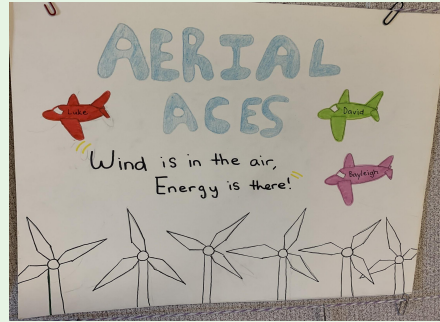
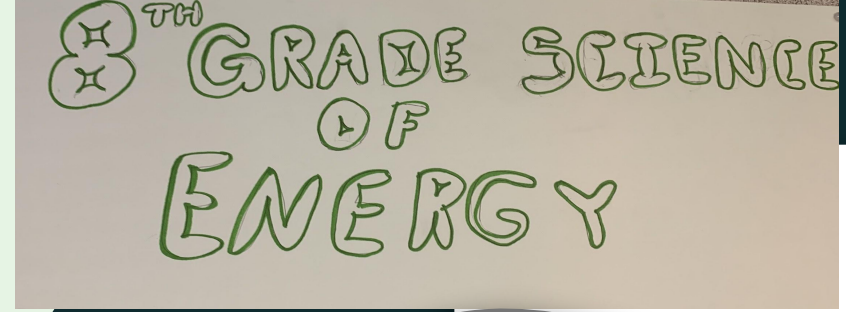
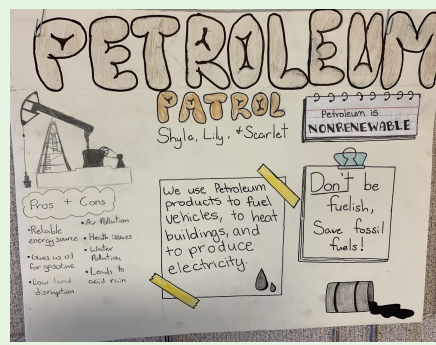
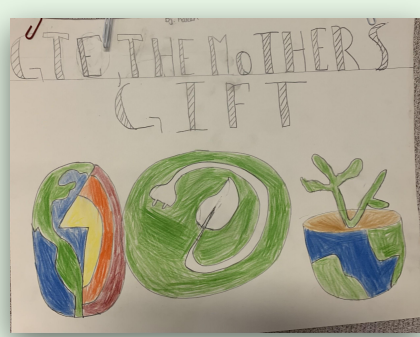
1. Obtained permission from Wendy Wicke I to conduct the activity.
2. Had all classes in 2nd-6th grade sign up to participate in Science Expo
3. Secured 10 Outdoor canopy for students to host Energy Expo
4. Secured prizes for students who participate.
5. Made invitations for the energy expo for teacher reminders
6. Followed-up with thank you notes and prizes to participating teachers .
7. Invited energy speakers for the 8th grade classes

ENERGY CONTENT AND RESOURCES

1. NEED's Energy Expos, Energy Infobooks, EnergyWorks, Science of Energy
2. Pamphlets from our local utility company
3. Encyclopedia Americana
4. Energy websites linked to www.NEED.org

LEADERSHIP • 4 Student leaders were assigned • 1 Student coordinated the giveaways and incentives • 2 Students ran the expo sign-ups • 1 Student hung up posters with helpers • 1 Student was in charge of invites and thank-you's • 28 Students led the expo

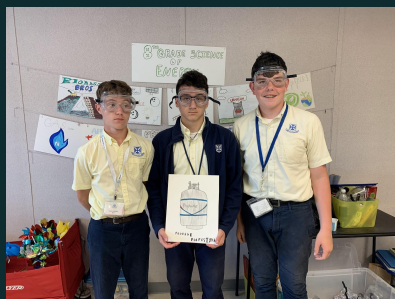
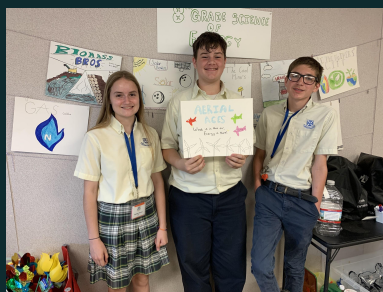
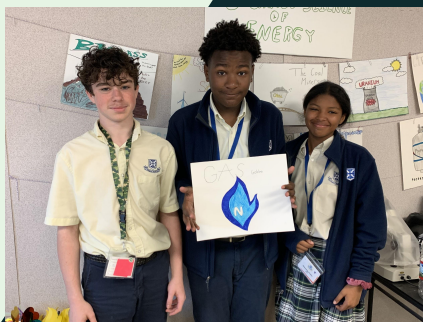
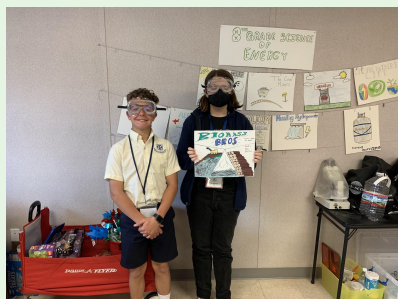
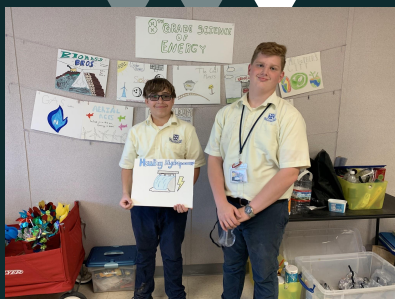
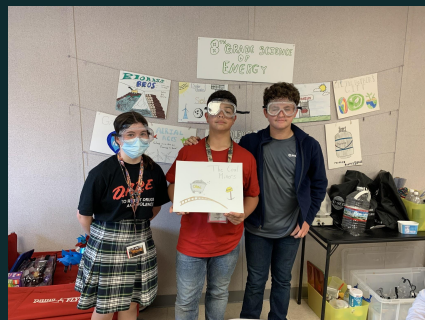
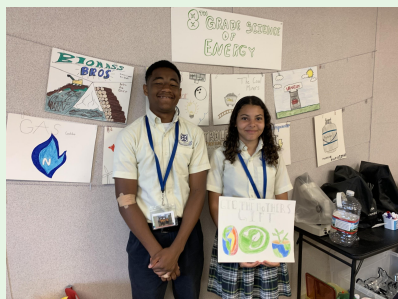
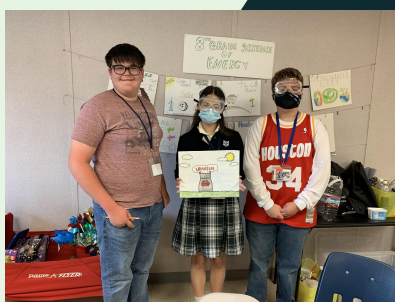
EVALUATION 1. Evaluated the project with completed student-created evaluation forms. 2. Reviewed the evaluation forms from participating teachers and students. 3. TBA 4. A hundred students attended the expo.



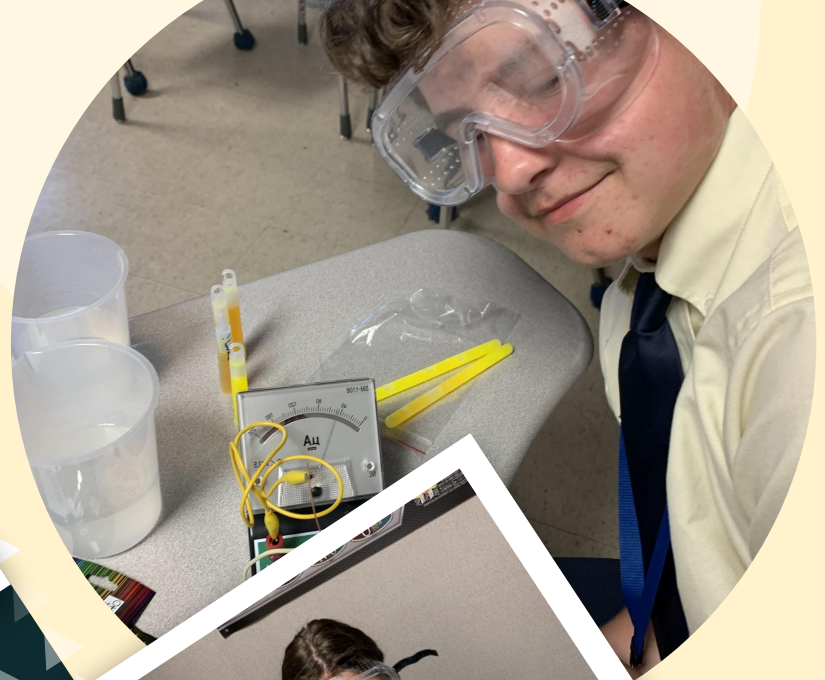
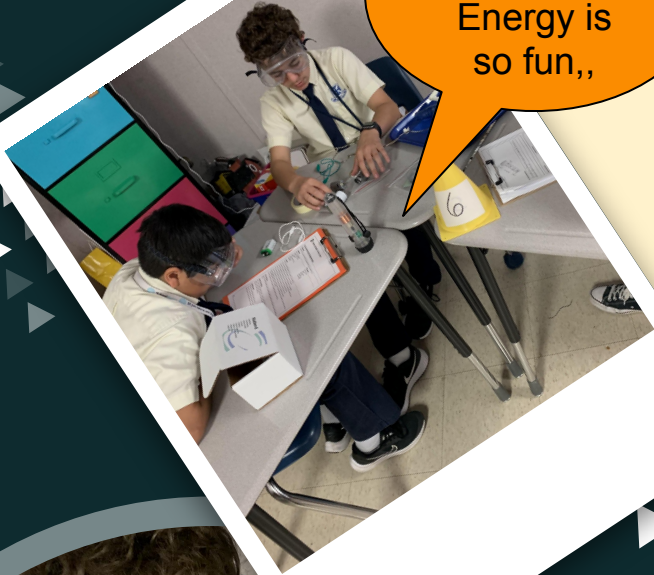
Energy Chants and activities ... Fun and Interesting

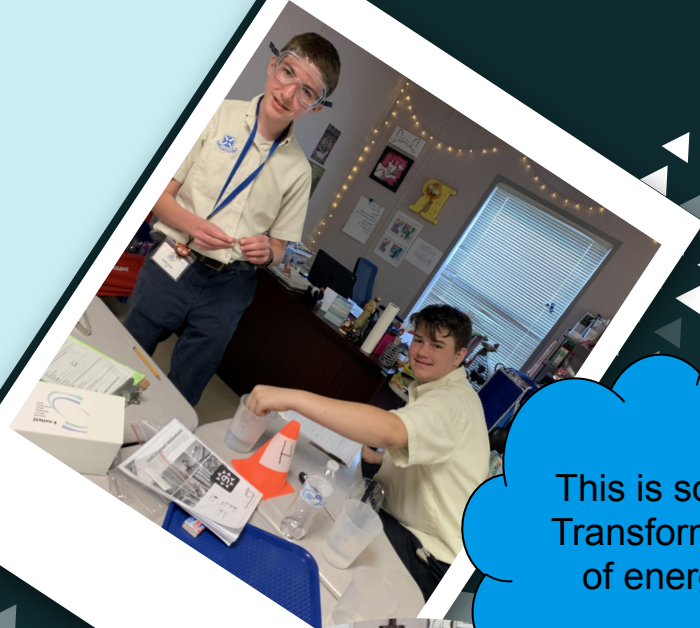
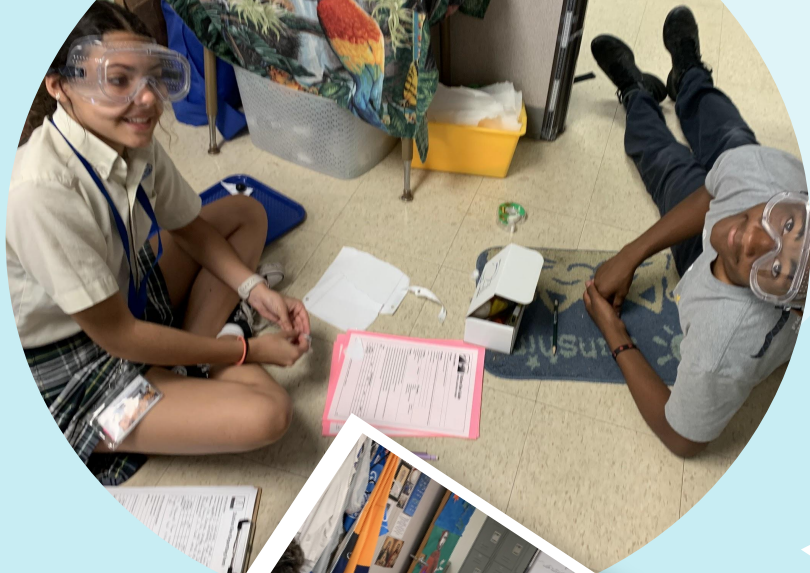


8TH GRADE SCIENCE OF ENERGY



I feel like a
Scientist ..
Energy is
so fun,,





This is so fun..
Transformation
of energy !!





Energy Speaker
Carl Kieser

<https://www.dropbox.com/s/danshv9l11y44l3/2022-04-07%2012.31.17.mov?dl=0>



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USA

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GOAL # students to become lifelong recyclers by equipping, educating, and inspiring them to get directly involved with recycling.

ACTIVITIES AND TASKS :

1. Obtained permission from Wendy Wicke I to conduct the activity.
2. Find site on campus for recycle bins and a date that recycling krewe can collect paper and plastic
3. Arrange with city recycling center for weekly recycling pick up
4. Join Pepsico Recycling Rally
5. Talk to classes about recycling Biomass Mr Carl Kieser

ENERGY CONTENT : NEED's Talking trash, climant , www.need.org website, City of lake charles Green Team , Mr Eric the janitor,

STUDENT LEADERSHIP : 4 students assigned Elementary paper, 4 assigned elementary plastic , 4 assigned jr high plastic and paper, and 3 assigned outside and office plastic and paper

EVALUATION: Recording weekly recycling on the pepsico site , held contest in elementary on plastic and paper recycling for 4 weeks to encourage recycling habit . Go Mrs Heineman and Mrs Booth for always having the most recycling ..

Entered Recycling video see link

Exceeded plastic and paper recycling goal by over 1000 pounds

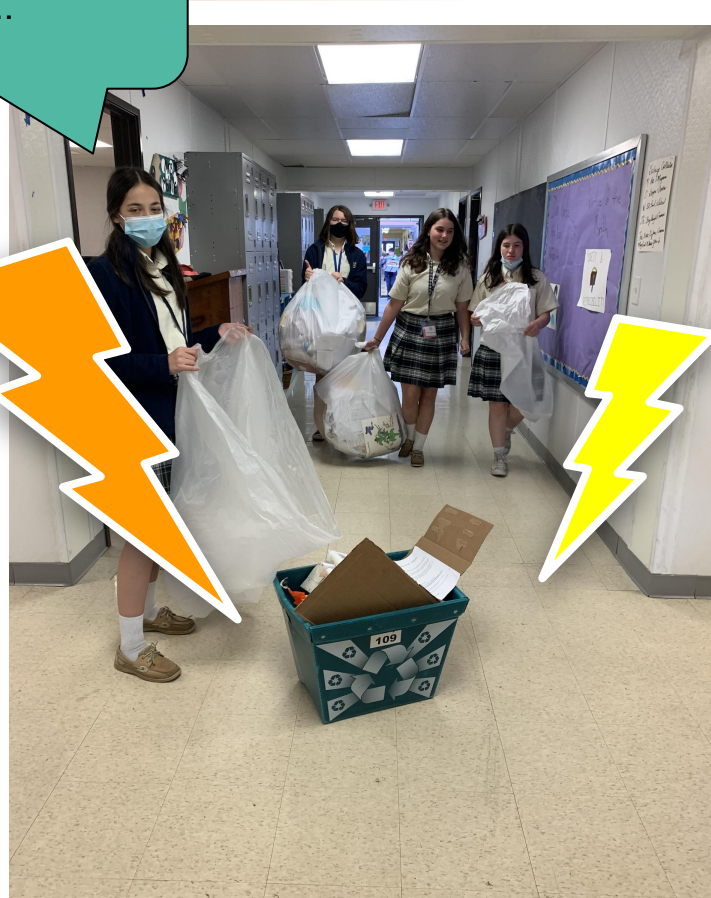


Every Friday we collect
all recycling from
preK-8th grade ..
Girl Power!!!

We have recycles
4,903
of
1,500
(lbs.) Goal

Recycling for a cleaner tomorrow
...Saving Energy every day ...

Goal is reached!
326%



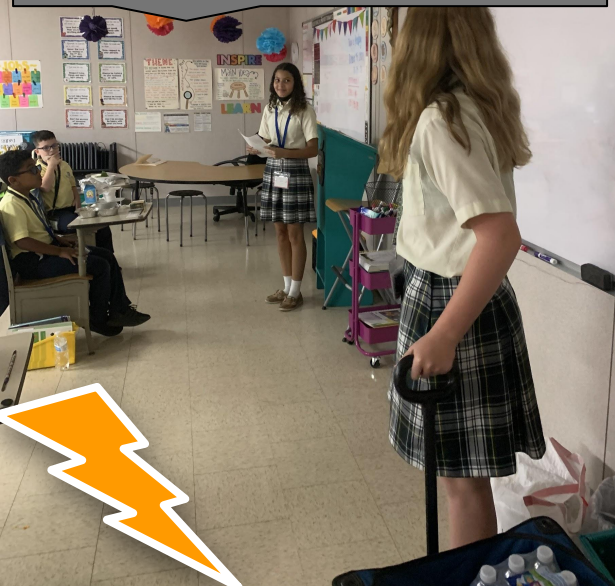


With limited locations are recycle center does move to collect items.. According to Pepsico we have recycled Enough energy to power a retail store for an entire year.



It takes the whole 8th grade class to recycle on Fridays..
<https://youtu.be/EawsVjkxjMs>

What fun talking trash and renewable energy to younger students !!! They really enjoyed a party in a box/wagon ...



We promoted recycling to prek -5th grade weighing and talking trash for 6 weeks awarding the classes with the most recycling a party in a box!



By recycling instead of requiring the production of new raw materials, St. Margaret Catholic School has saved as much energy as it would have taken to power a retail store for a full year. That's 25,000 kilowatt hours!

Based on the average electricity consumption for retail stores in the U.S. (50 kilowatt-hours [kWh] per square foot per year) x size of 500 square feet.

1 lb. of Plastic #1 (PET/ PETE): 15,935.6 BTU = 4.67386353 kWh

1 lb. of Plastic #2 (HDPE): 25,101.3 BTU = 7.36214085 kWh

1 lb. of Other Plastics: 19,418.6 BTU = 5.69540891 kWh

1 lb. of Glass: 1,062.7 BTU = 0.31168840 kWh

1 lb. of Fiber / Paper: 28,200.9 BTU = 8.27125898 kWh

1 lb. of Aluminum: 76,382.2 BTU = 22.40269173 kWh

1 lb. of Other Metals: 32,992.7 BTU = 9.676665779 kWh

(1) EPA Energy Star program

(2) EPA W-8 RM v14 2018





A few of Elementary classes that participated in Recycling Contest
..Lighting winning teams Mrs Booth and Mrs Heineman

