The name of our team is called Innovating Young Minds. We represent Cass Technical High School. The team consists of 13 students from grades 9-12.

Our goal is to produce an educational activity book, comic book, and game to inform children about STEM careers and renewable energy.
Our project is designed to help educate children about the benefits of solar energy. The project has three parts. An activity book, comic book, and a video game.

Our goal is to introduce the power of the sun and how its heat and light can be harnessed to make energy. Educational project-based learning activity books, comic books and games will be designed to educate elementary students to show the role renewable energy can play in providing clean energy for homes, schools, and workplaces.
The activity book is designed for children in grades K-3 and is designed to give them an introduction to solar energy. It also introduces them to our main characters:
The comic book is designed for students in grades 3-5. It helps expand the students knowledge of solar energy.

New characters designed.

New character Abbey
The game name is, **SUNNY & RAY THE CLOUD OF GLOOM**, for students in grades 6-8. It teaches them more about solar energy, while also teaching about units of measure, and converting one measurement to another.

Terrell Shaw demonstrating using bamboo pad for gaming.
TEAM ACCOMPLISHMENTS

- Characters
- Activity book for kindergarten
- Advertisement (T-shirt, banner, etc.)
- Sponsor letter
- Team recruitment
- Eighth grade open house
TEAM ACCOMPLISHMENTS

- In Development
  - Story lines
  - Comic book
  - Video game

Solar Panel installed at Cass High School
LEARNING EXPERIENCE

“By working with Innovating Young Minds (IYM) I have learned more about team work and understanding other people ideas and putting them all together while informing the young people on solar energy and how it is helpful to the environment. I’m glad I got to experience the best of both worlds!” ~Taylor Box-Dowdell

“I wasn’t interested in solar energy before I joined this group. I learned so much! I can’t wait to learn more!” ~Cynthia Madu

“It was a great experience that has exposed me to the world of modern technology.” ~Rebeka Islam

“My Experience with High School Enterprise has been quite an enjoyable one. It has allowed me to gain a deeper understanding of STEM along with several aspects of teamwork. Working on the activity booklet has given me the opportunity to express my ideas to others. The comic book has shown me that with cooperation, we can create one idea from several, to create a storyline. The videogame has given me the opportunity to get hands on experience for a career I want to have in the future. The Expo was quite a wonderful experience. The one I went to, and I think it was relatively flawless. I think the Expo was an excellent experience.” ~JaVon Wiseman
My knowledge and experience in High School Enterprise Expo helped me with my communication skills in front of an audience. I developed many skills and was able to gain more information in the studies of Technology, Engineering, Science, and Math. I learned interactive game strategies while designing a children game also. HSE helped me with my curriculum Manufacturing Technology by giving me a head start on my career major in life. I am highly satisfied with the work I have done and I look forward to continuing the program this upcoming year. ~ Malaya White

I have developed many skills that I believe I will be able to use the future. I learned much about graphics and also how to even write story lines for a comic book which was a splendid experience. Even though in the future I do not plan on having to use everything I learned from HSE, I will be able to use some of the skills such as working with a team, and how to understand others ideas. ~ Malik Reed

My experience with High School Enterprise was very fun and educational. I learned information about solar energy that I never thought I would want to learn. The fact that we are helping kindergartners through eighth grade to learn about energy efficiency is great. ~ Jazmyn Harris
Throughout this whole year, Innovating Young Minds has worked very hard at our solar energy project. Since September of 2011, we have worked diligently in trying to meet our goals in completing the comic book.

Our group has completed a solar energy activity book for kindergartners and is still applying new information every day. We have also created cut-outs of our three main characters: Buzz, Sunny, and Ray. The comic book is still a work in progress but we are getting there. We have at least five pages of the comic book finished and added color to them. By the next school year our group plans to have the comic book completed but right now we are focusing on recruiting new members and drawing up more scenes. We have also decided to add video gaming to our project.
At the Michigan Tech 2011 Undergraduate Expo, we received a lot of positive feedback not only from the judges but from everyone around us. The criticism that we received helped us more as to how we could better our comic book and make it more successful.

After the completion of the comic book, we hope to use it as a learning tool in the classroom and also to market it to children in the community. We will advertise on the internet via Facebook, MySpace and reaching out to teachers and parents to get their kids involved. We will also visit our local elementary schools to introduce our project.

We enjoyed every moment working on this project. Thanks Michigan Tech High School Enterprise for this opportunity.
The Michigan Tech High School Enterprise gives students the opportunity to develop their ability to work with a variety of students to achieve the same goal and learn new technology. The students were very passionate about the project. Throughout this journey students have learned that priorities are very important in life. We have learned how to overcome challenges that seem impossible but through this project we made it possible. Working with database, Microsoft excels and many other applications have enhanced us with realistic concept of the world.

Thanks Mr. Oppliger and Michigan Tech High School Enterprise.

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