

Name of the teacher: Jon Markus

School: Adel Desoto Minburn Middle School

School address: 801 Nile Kinnick Dr. S., Adel, IA 50003

Grade level(s) of the student teams: 7

Number of students who participated: 2 (Claire Priestley & Peyton Giles)

Essay: (up to 800 words maximum)

Our team at ADM middle school has designed and built a miniature version of a sustainable first buyers home that meets the criteria that is needed to live comfortably and safely. The goal of this project was to construct a house that would be great as a future home. We decided to build a house that would be perfect as a first house. To make this happen, we worked together to build this house out of wood, paint, paper, and 3D printed furniture. This house would be the optimal choice in the future because it would be good as a first house, has lots of amenities, and uses sustainable materials to ensure an amazing house with a low price.

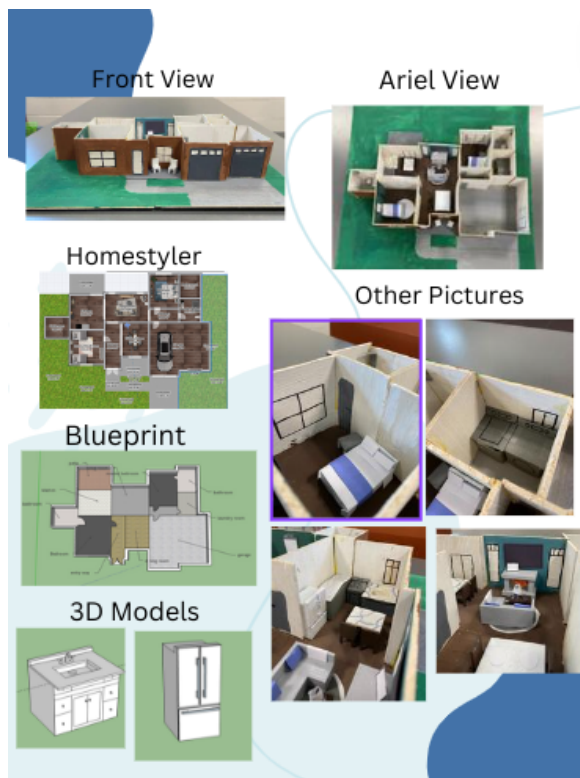
One of the amazing things about this home design is that it would be great as a first house. This house has two bedrooms and two bathrooms. This is the perfect size for a first home, whether it is just for you, or for a small family. Our design also has an open concept layout which is good for if the buyer has small children they need to watch. Even though this is a smaller house, it still has most things that a bigger house would have but for a much smaller price. This house includes a spacious laundry room, a big backyard, a front patio, and even an additional back patio that is perfect for entertaining. So, this home is perfect for everyone, but especially small families.

Another reason this house is great is because of all of the amenities that are included in it that most other small houses don't have. One of the big benefits to this house is the huge two car garage. Even if you don't have two cars, this would still be great for extra storage. Another advantage to buying this house is the extra bedroom. Even though it is a bedroom right now, it is not just limited to being a bedroom. You could turn it into an office, gym, craft room, or anything else you could think of. Some of the small details in this house that you might not notice right away are also what makes this the house of the future. It has a fireplace, hardwood floors, air conditioning, heating, and many other amenities. Finally, this house uses solar power which helps people save money. There are no trees blocking the solar panel views so they can work for many hours during the day. Everyone likes to save money, but these could especially come in handy for young adults who are just buying their first home.

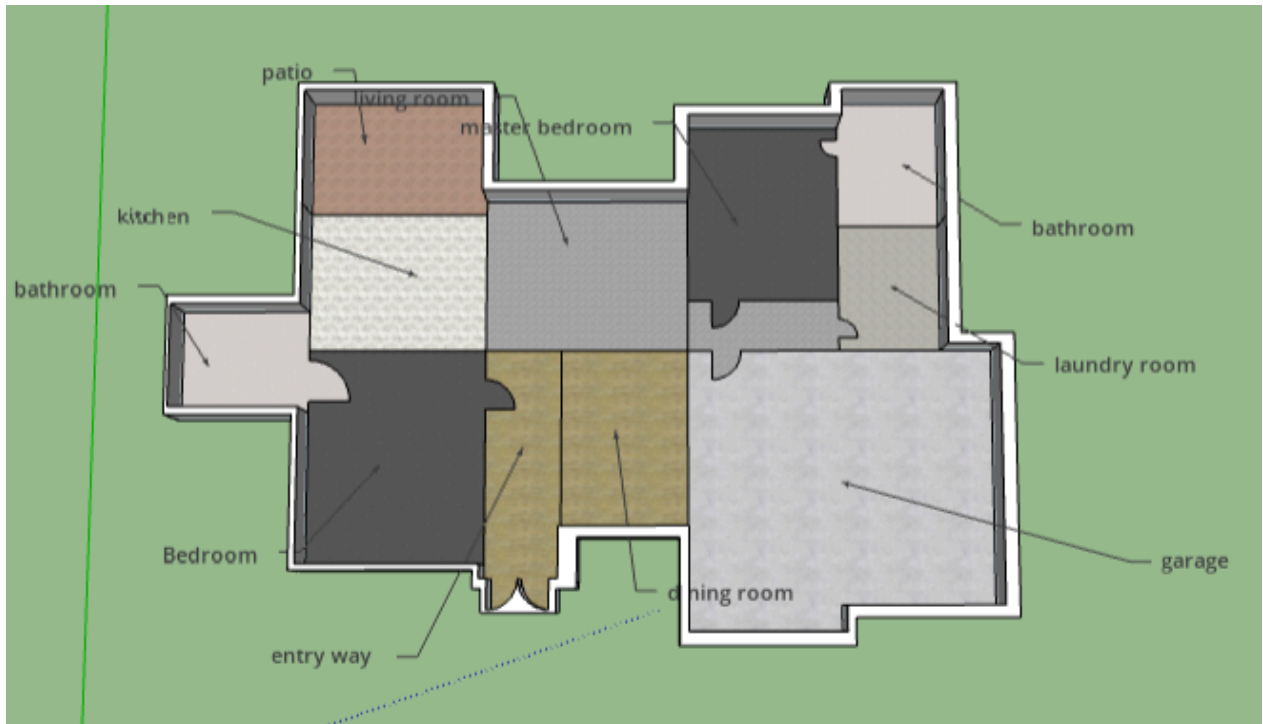
Finally, if this house was built to actual size, it would be an amazing cost. Our house design is made out of wood. Wood is a strong material to build houses out of, but it is also cheaper than brick. This house is also cheaper than others because of its smaller size. Even

with this smaller size, it still has everything people need to live a safe and comfortable life. This home design also includes solar power which would eventually save money. Electricity is very expensive so, in the future, solar power could become a very significant source of energy in homes. These are just a few ways that this house is designed to be cheaper and more affordable for young families.

In conclusion, this is an amazing house for many reasons. Not only would it be great as a house for right now, but it would also be great for the future. It is great for small families, has all the amenities you could imagine with materials that would make the price very affordable. Making this house made us think of lots of things we do at school and also future jobs. In school, we have a stem class where we work together to build things like catapults, parachutes and many other things which are kind of similar to this project. We also learned how Sketch Up works in stem, which is how we 3D printed the furniture. This project also relates to future jobs. Some of these include architects, interior designers, construction workers, etc. In the future, I would love to do some of these jobs because of how much I enjoyed this project. In the end, this is definitely the optimal house design.



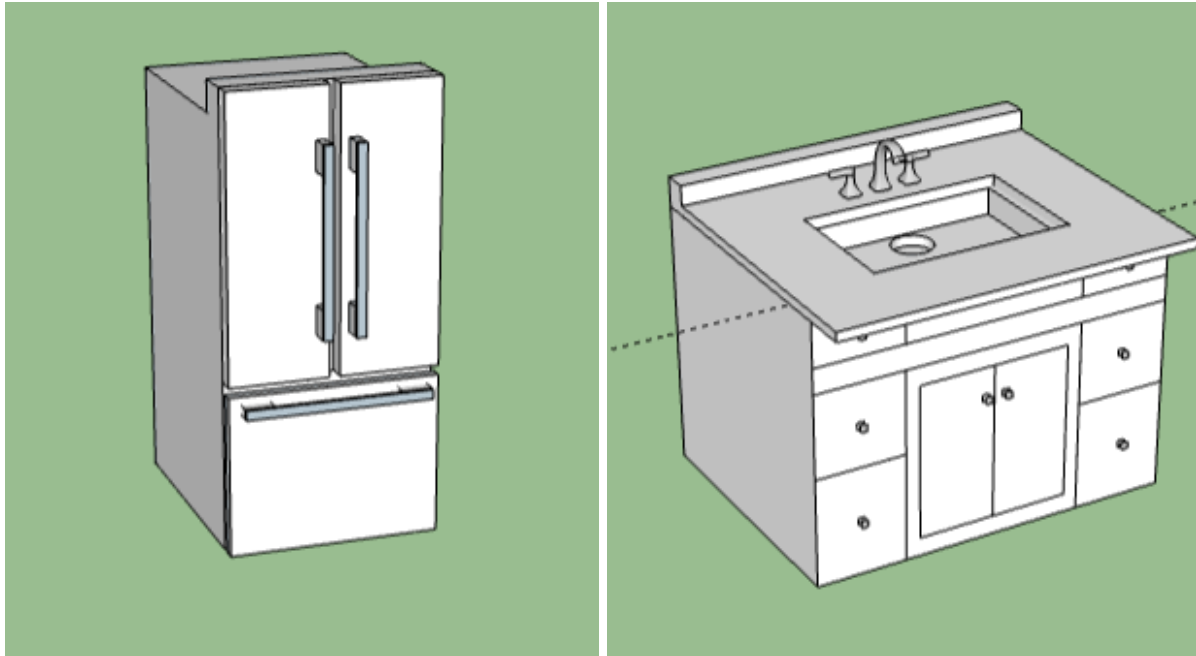
Blueprint:



Homestyler:



3D Models from Sketchup:



Pictures:



