



# StoneEdge Junior High

# Our Firm

## Pris-Tech Innovation

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## Location and Learners

# Our School Community

## Our Student Base

500 Motivated 7th  
and 8th Graders

## School Type

Public Charter School  
that serves Portland  
Metro Area

## Location

Portland, Oregon.  
On the Willamette  
River.



# Closer look at our school location

- Area is surrounded by trees, but has room for buildings without clearing more of them.
- Centered in nature, while less than 10 minutes away from Portland.



**Willamette River**

# Our Mission and Vision

## Mission

To educate and immerse the whole student, and for students to have a broader understanding of what they're learning and how it relates to the world around them, fueling curiosity.

## Vision

For the people of the future to have a broader understanding of life and the work around them.

# Our Learners:

**Motivation is defined the general desire or willingness of someone to do something.**

We want to help children who feel motivated to learn and explore their interests.

## **How do we plan to do this?**

With immersion into what they're learning, independent and group studies, and by answering the common question of "How does what we're learning relate to real life?"

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**Children at our school don't need to be academically gifted or accelerated. They need the drive and maturity to learn and create.**

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# Process

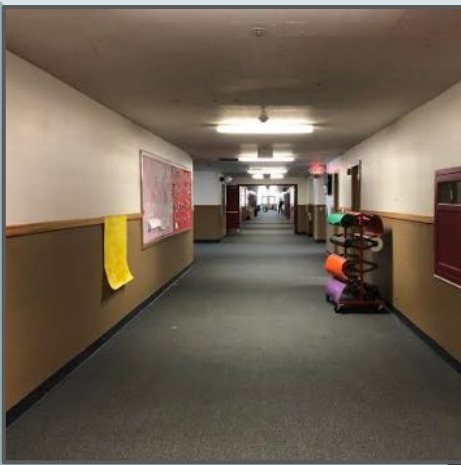


# Needs for improvement within our current school

We also did our own walkthroughs around the school, and found many issues within our school.

This includes:

- Small hallways
- Lack of any natural light in hallways
- Very few power outlets
- Small, cramped desk spaces.
- No air conditioning
- Long, narrow hallways, making it hard to get to class



# What students say about current school design

**One of our biggest goals was to make sure our school improves on the areas of our current school that students were dissatisfied with.**

- **Uninviting environment**
- **Confined spaces**
- **Inadequate outdoor spaces**
- **Static Curriculum**
- **Inadequate spaces for socialization**



How we planned to solve these

## S.M.A.R.T Architecture

- Scientific
- Multipurpose
- Artfully designed
- Responsive (resourceful)
- Thoughtful



## Color of Success

Research shows that the color blue helps kids think creatively, so we show our students the sky using glass ceilings and many windows.



## Environments of Success

Most students work best in large, spacious environments with high ceilings and windows.



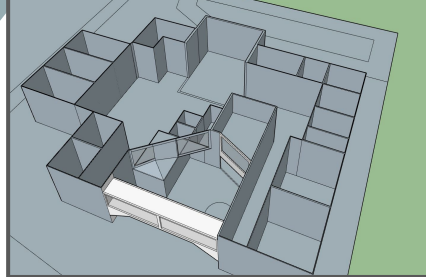
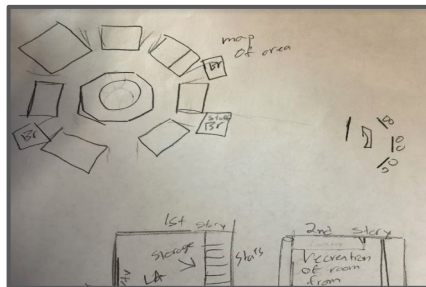
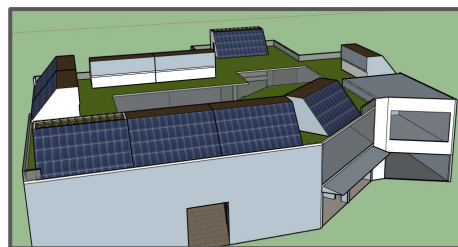
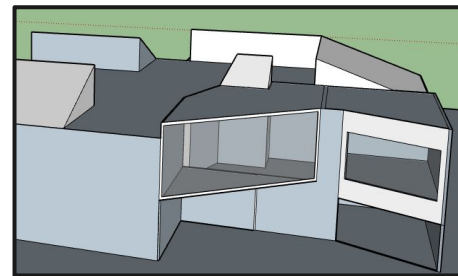
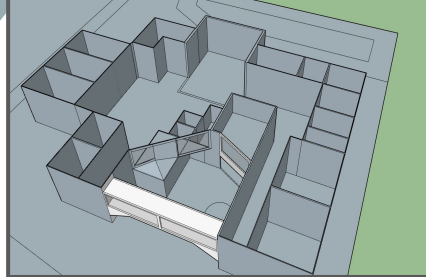
## Schedule of Success

The majority of students have trouble focusing after long periods of time, and work best with lots of breaks.



# Brain Research

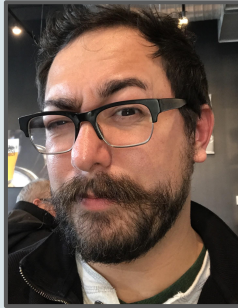
# Early Sketches and Designs of Our Buildings



## People who helped us plan and redesign



- Ms. Hinderhofer: Our Architecture teacher who helped us condense our ideas and turn them into something more.



- Mr. Allen: An architect who works on designing schools and gave us advice about our layout.

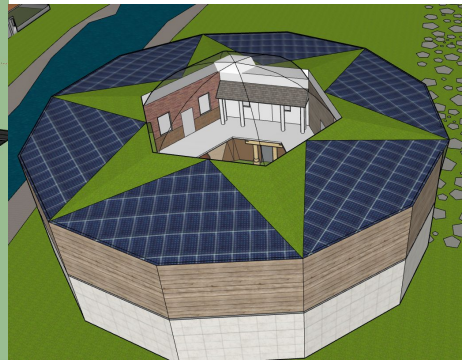
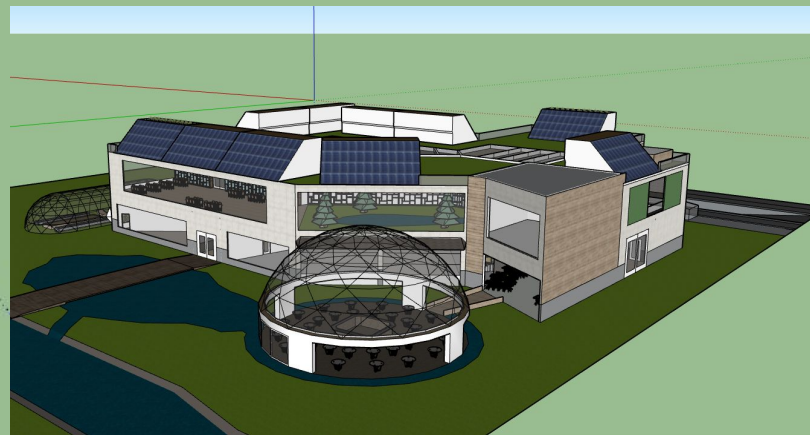
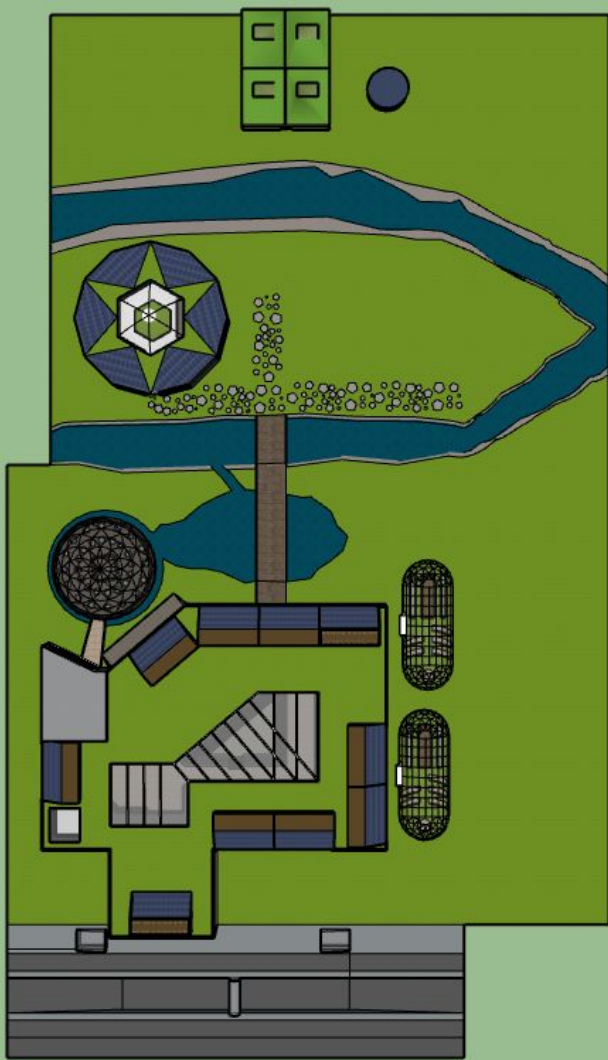


- Meena's Aunt, Sermin: An architect who listened to our slideshow and gave us feedback to help improve.

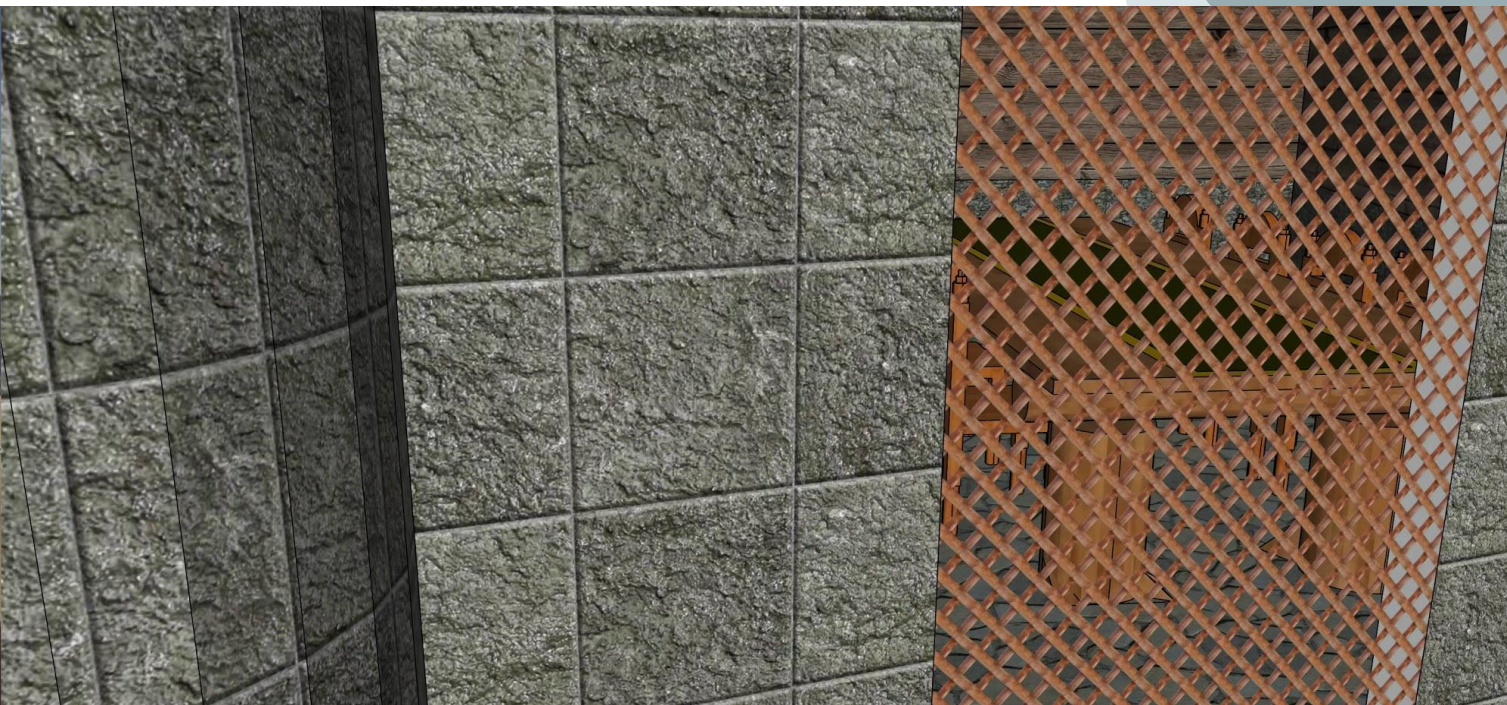


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**Building**







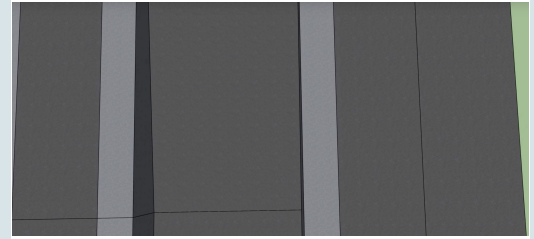
**Our Main  
Building**

# Parking and Traffic. Responsive Thoughtful



## Underground Parking

Parking is a big issue at our current school, often all of the front spaces are filled up and people have to walk from the next door parking lot. This problem is solved in our school as people don't have to wait in line to park, reducing congestion.



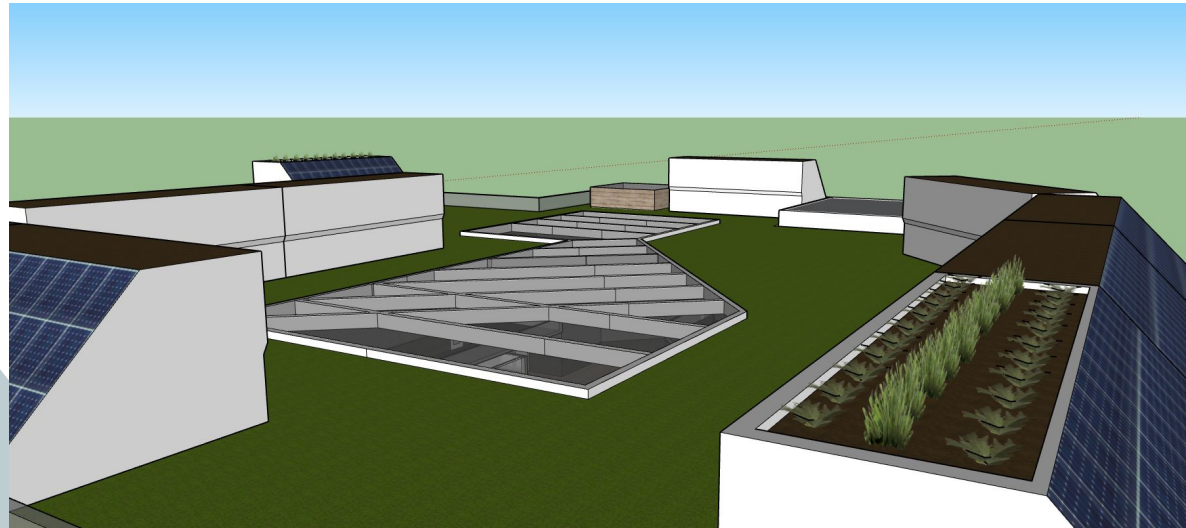
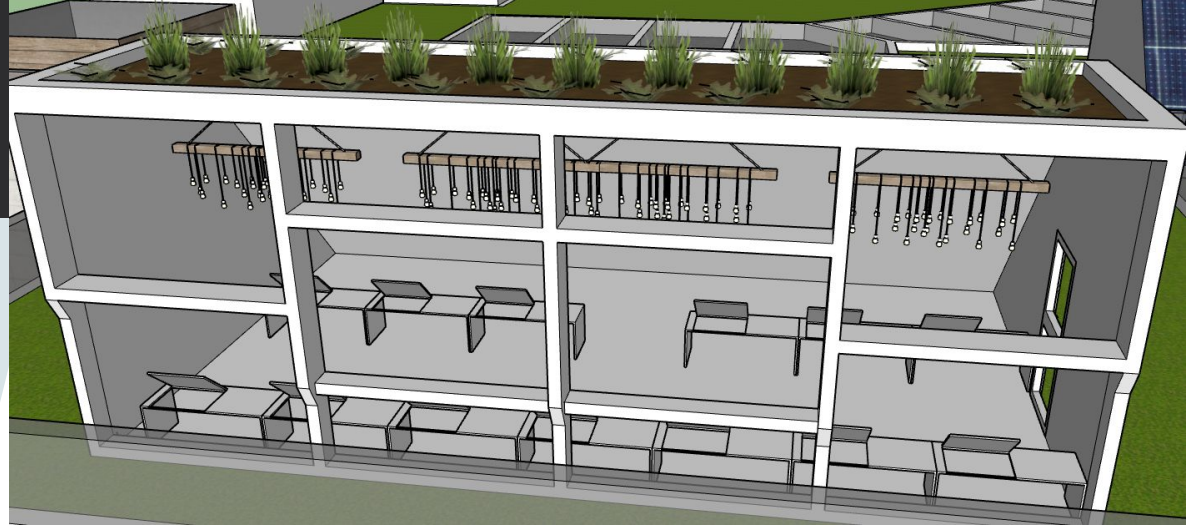
## Congestion

Congestion is also a big issue at our current school. With a two-lane parking system, parents can pull into the idling lane, let their kids out, and then pull back out into the driving lane. Buses have their own lanes too, so they don't have to wait to let their kids out.

Multipurpose  
Artfully Designed

## Roof Spaces

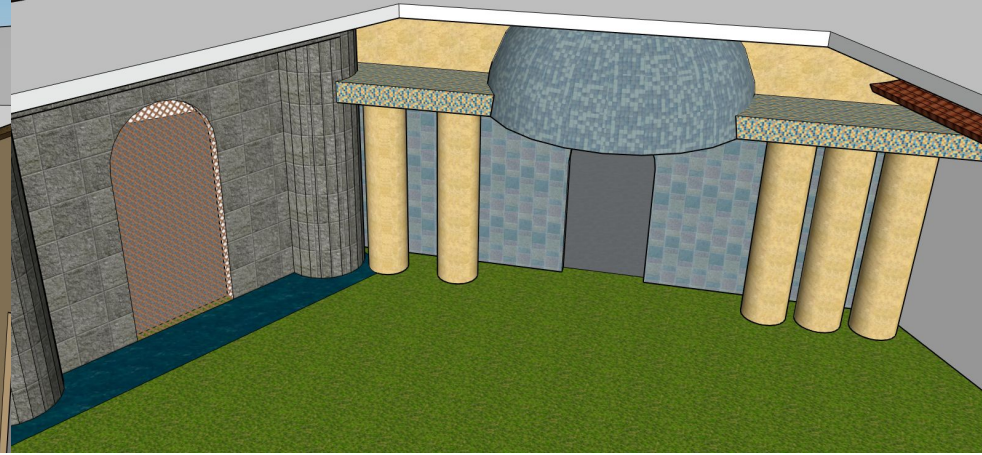
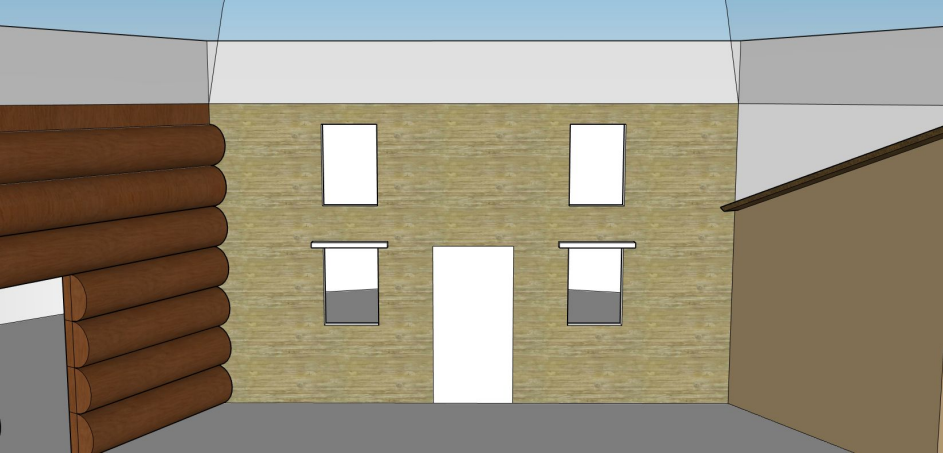
Our lush green rooftop and its classrooms that are both environmentally and mentally helpful. People walking up top can feel connected to nature and creativity.



# Language Arts & History Building

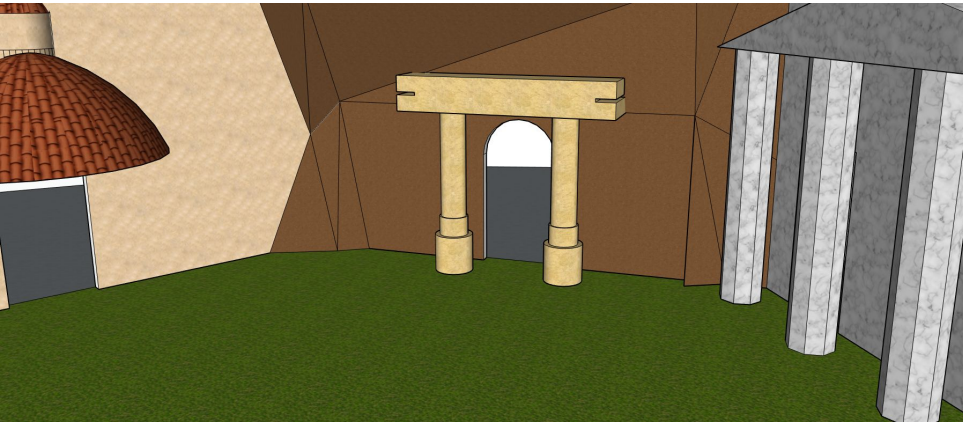
**Artfully Designed  
Responsive  
Thoughtful**





## Language Arts and History Classrooms

Each classroom is based on the architecture of a time period students will study, which leads to immersion into our curriculum.





## Student Spaces

- **Socialization** is important for a student's wellbeing
- Student spaces are spread out across the school
- The spaces can be used for work, eating, or just hanging out





## Dining Hall

- Promotes healthy eating by offering local produce
- Two types of seating for different groups
- Locally sourced food for our house cooked meals



**Scientific, Responsive, Thoughtful**

## Green Elements

### **Some areas of the school contain high efficiency solar panels**

- They are about 20% efficient and placed around the school to generate up to 200 KWh/day.
- Excess energy from these is given back to the power grid

### **Most of the roofs in our school are green roofs**

- This works as an effective rain buffer
- Filters air
- Aids efficiency of solar panels
- Serves as a great area to grow fruits and vegetables, for both students and community
- Aids in heating and cooling





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# Community

## Free to use spaces



### School Library:

Our school library is open to be used by the community during most non-school hours.

### Kitchen:

In addition, our school's kitchen is open for community meal service on the weekends.

### Forests:

The forests and nature around our school are open on the weekends and afterschool for both student and pedestrian use.





# Local Business Partnerships

Every week, our school partners with local businesses to provide food, or an educational experience for students.



## Community Gardens

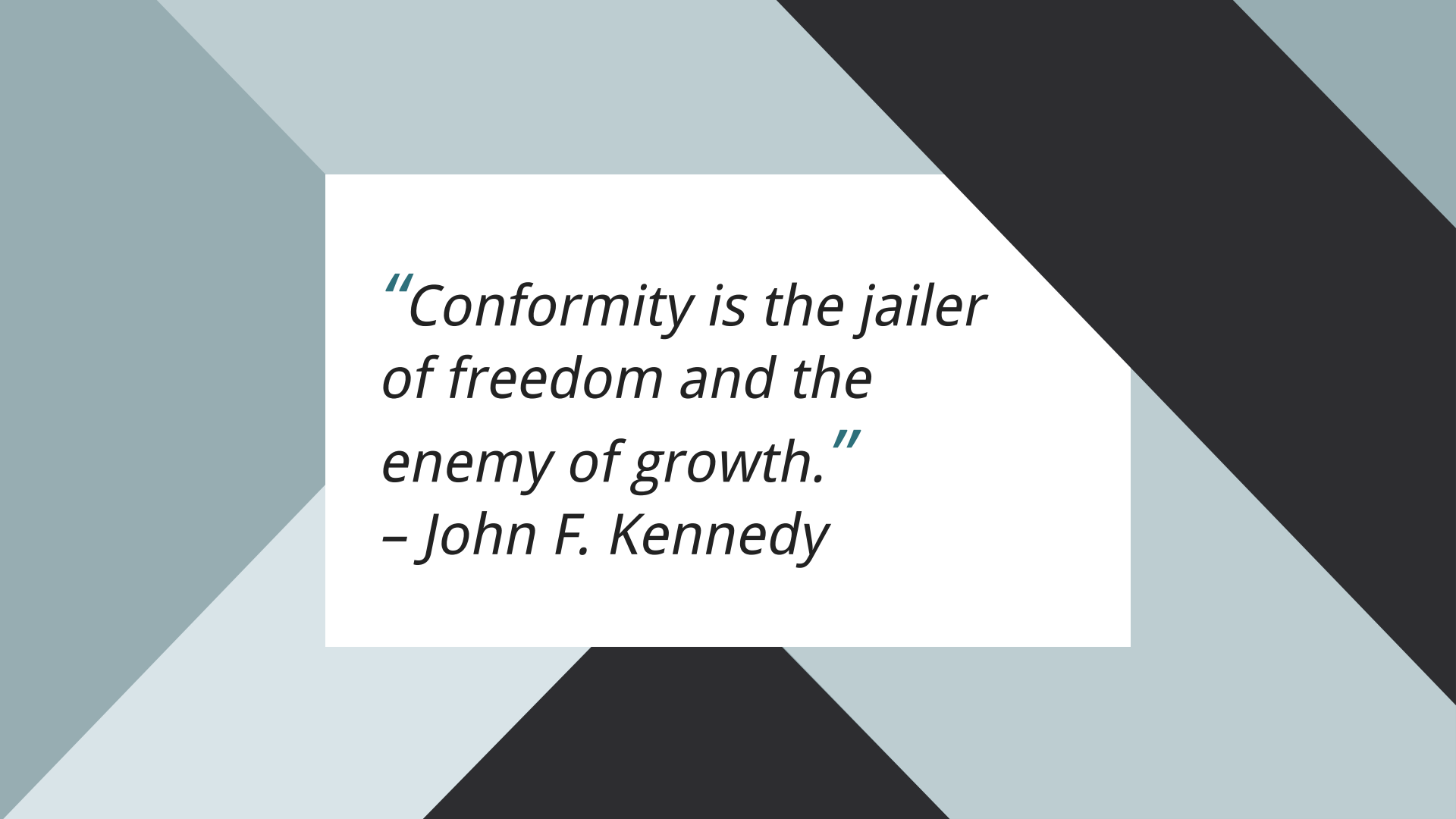
Our Green Spaces and Gardens will be open for both community and class use.

- Teachers and members of the community can sign up for a plot of land, and we'll provide everything except seeds and labor.
- Food from Green Spaces around the school will be used for meals in our Cafeteria, and all extra will be donated to local food banks.



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# Curriculum



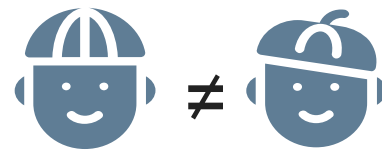
*“Conformity is the jailer  
of freedom and the  
enemy of growth.”  
– John F. Kennedy*

# Teaching the individual student



In the past, the school system has been conformity based:

- Same textbooks
- Same teachers
- Same assignments
- Same tests



*All students are individuals,  
with different ways of learning  
and thinking.*

To make sure every single student is learning in the way that's best for them, the curriculum of the future must be adaptable to them.



# The Curriculum of the Future

**Our main and biggest goal for our school's curriculum is to make it adjustable for the student's needs, so we can educate the "whole student".**

## Additions

- Students will be paired with teachers that work well with them.
- Many options will be provided for each assignment
- Independent and group studies for things students are interested in



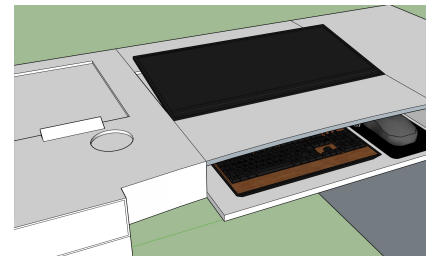


# How Our Curriculum STEMs



## Makerspace

The maker space is shared between the two STEM/elective classrooms. This space is designed to fuel creativity and innovation among students



## Flexible Workspaces

Most desks in our school contain touchscreen compact computers that you can port your computer into.

## S.M.A.R.T Curriculum

**S**cientific  
**M**ulti-purpose  
**A**rtistic  
**R**esponsive  
**T**houghtful

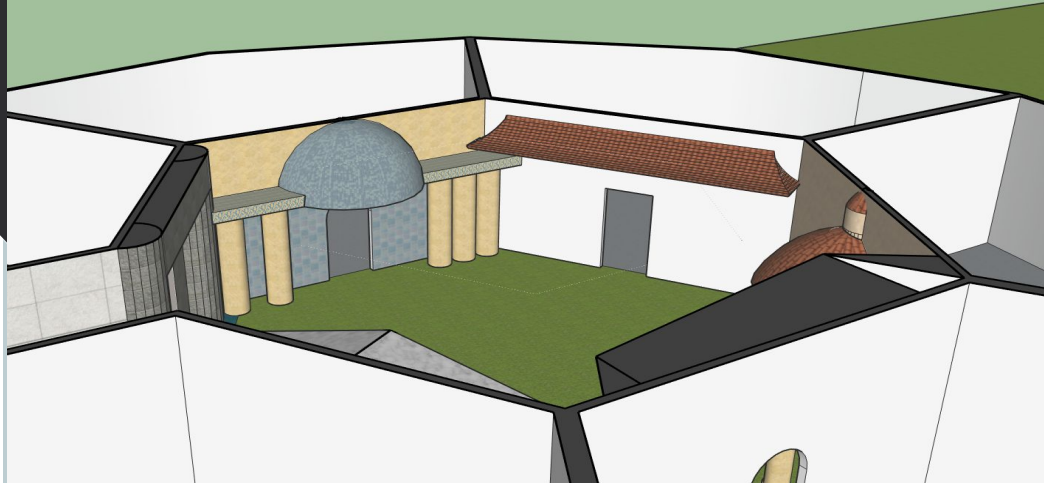


# Immersion into what is being learned

Something that peers often ask is, “Why does what we’re learning matter?”

One of the ways we plan to show this is with immersion in the forms of:

- Social Studies classrooms in the style of past architecture
- Science activities set out in nature for the full experience
- Many interactive field trips





## Start of the Day

- 10:00 am start
- Allows students to get more sleep
- Better performance and concentration



## Class Schedules

- 8 classes in a A-B schedule.
- Classes are an hour and ten minutes.
- Short lectures combined with immersion projects and time spent outdoors.



## Break times

- 10 minute passing times.
- Allows for socialization and less stress
- Multiple breaks in the day

# A typical day in our school



# Counselor and Teacher Support

It's important for students to be able to succeed and be comfortable. To do this at our school, we plan to:

- Have the student know their counselor and teachers well.
- Have smaller class sizes which allows for more one-on-one time between teachers and students.

# Why is this kind of learning better?

1. Students will be able to learn more freely and flexibly, allowing them to learn their way, so they will retain information better.
2. By having choice in what they learn, students will enjoy what they're learning more. Which will encourage them to keep learning.
3. Students will be able to learn subjects in a more in depth way, this will contribute to their understanding and interest of how the world works.





# Thanks!

Feel free to ask questions