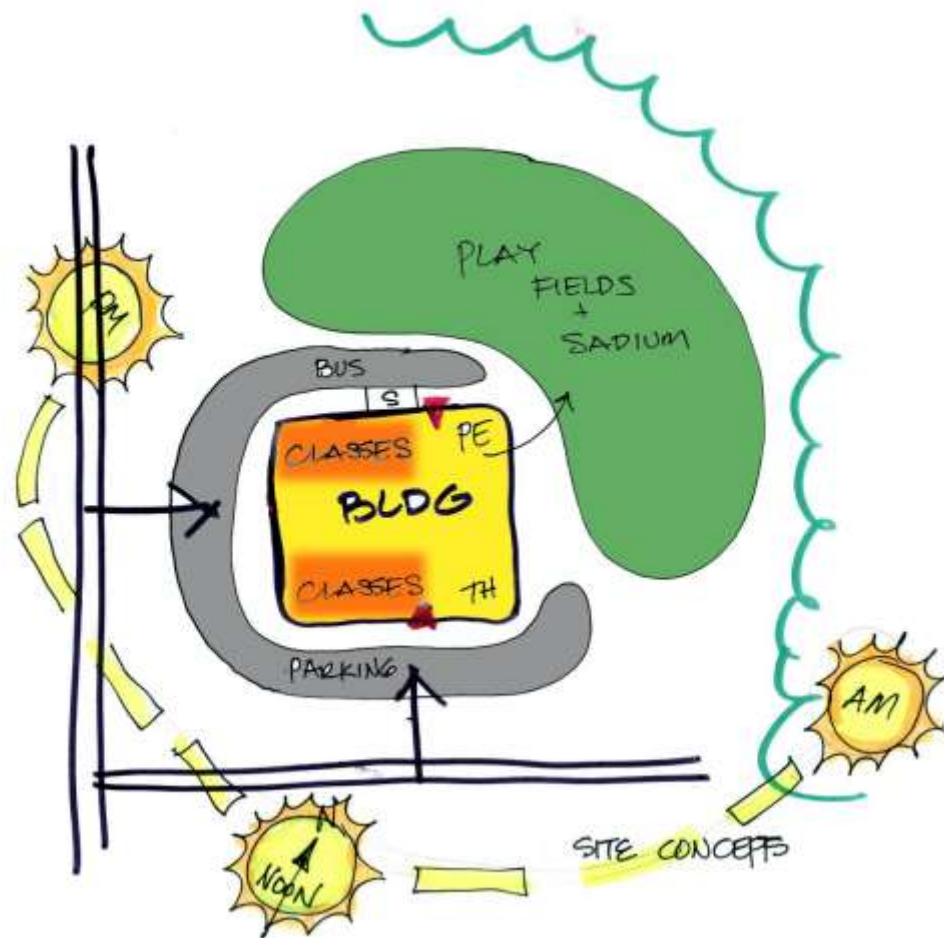


# MVHS Green Initiatives

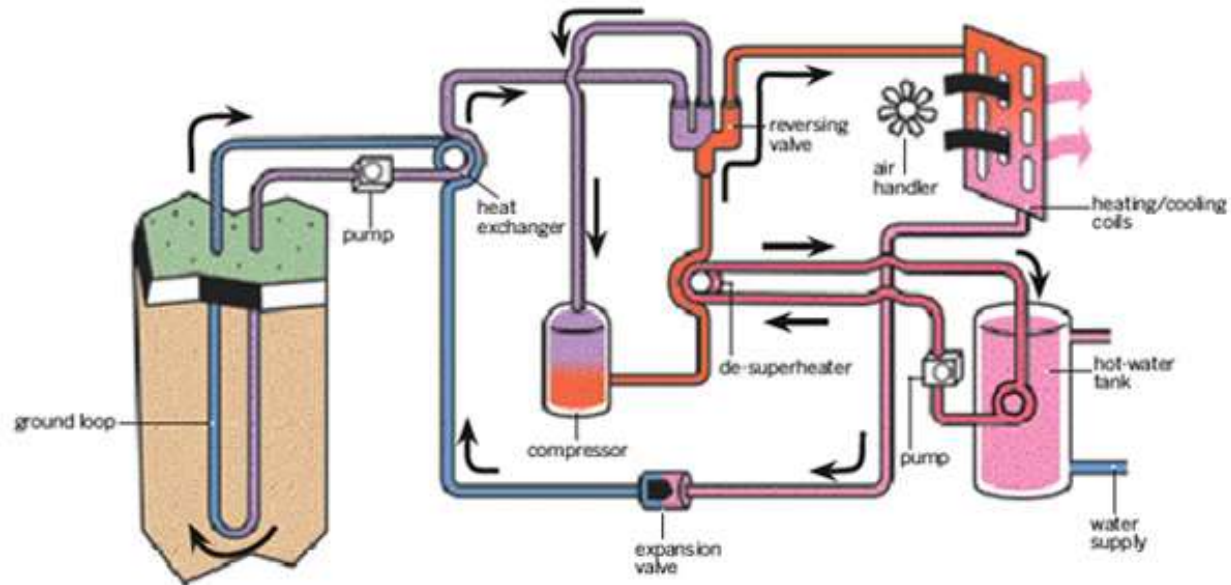


# Building Orientation on Site



# Geothermal HVAC System

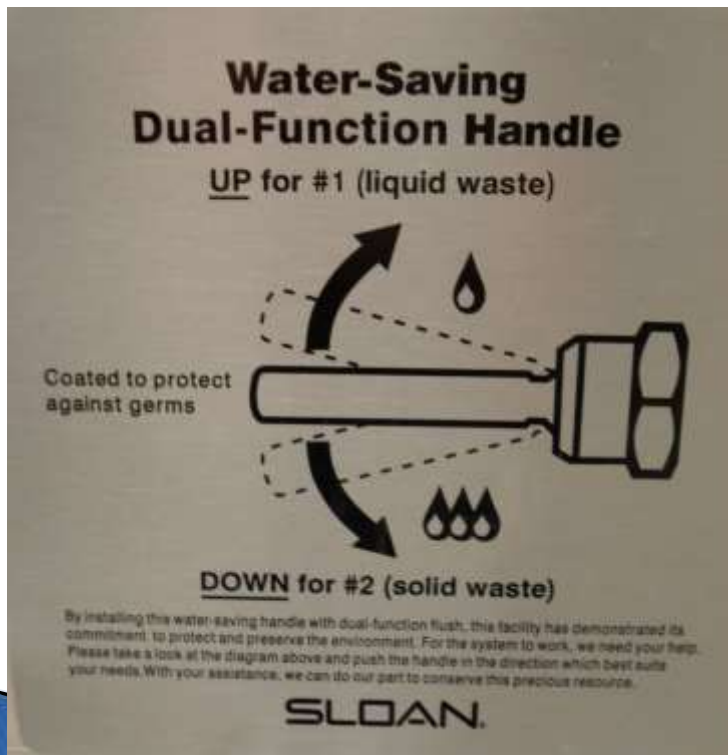
- ▶ Utilizes the earth as an energy source
- ▶ Reduces the use of fossil fuels
- ▶ Reduces carbon emissions



# Water Consumption

## ▶ Plumbing Fixtures

- Two stage flush valves on toilets
- 1.6 gallon per flush toilets



# Water Consumption (cont.)

- ▶ Plumbing Fixtures
  - Waterless urinals
  - Sensors on sink faucets



# Water Consumption (cont.)

- ▶ Native landscape plantings
  - Drought tolerant
- ▶ Intelligent irrigation system controller for Stadium Field



# Water Recharge

- ▶ Stormwater
  - Box of Rocks
  - Underground pipe/stone infiltration facility
- ▶ Pervious Concrete



# Miscellaneous Equipment

- ▶ High speed hand dryers in bathrooms
  - Reduces paper towel waste thereby reducing solid waste.





# Energy Efficient Lighting

- ▶ Classrooms have sloped ceilings
- ▶ Low E glass is used in window systems
- ▶ Sun shades reduces glare and solar gain during summer months and provide maximum light during winter months
- ▶ Occupancy sensors for automatic shutoff when space is unoccupied
- ▶ Premium electronic ballasts
- ▶ 28 watt T8 fluorescent lighting



**MVHS produces the  
lowest energy per square  
foot in the county!!**




# Wetlands


- ▶ Very special habitats essential for water quality and species diversity
- ▶ Protected by MDE and expanded following the building of MVHS
- ▶ Data collected and analyzed by MVHS students





# Recycling

 Our school participates in the single stream recycling program

 Please do your part...recycle!

