

# Denver Metro City Design Competition 2013-2014 School Year



**Presented By:**

**Human Life Project®**

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## Denver Metro City Design Competition:

- **What:** Architectural Design Competition
- **Topic:** Pocket Neighborhoods
- **Who:** Students Grade 12 and Under
- **When:** February 22, 2014
- **Where:** Arapahoe Community College in Littleton
- **Cost:** Free
- **Prizes:** College \$, iPad, Job shadow architect, software

<http://humanlifeproject.com/DesignCompetition.htm>

Act-3D



RNL

Ross Chapin Architects



Alamo Draft House

Janice Blanchard



# Thank You to our Sponsors



Act-3D



RNL

Ross Chapin Architects

Janice Blanchard

Alamo Draft  
House



# Thank You to Our Judges and Keynote Speaker

- **Peggy Cole**, Council member from City of Littleton
- **Chris Horton**, City of Castle Rock planning commissioner
- **Matt Burde**, City of Golden planning commissioner
- **Greg Houston**, Architect and ACC Architecture Department
- **Rich von Lührte**, Architect and principle of large architectural firm, RNL
- **Janice Blanchard (keynote speaker)**, Consultant and expert in aging and “social software”



*Janice with People's Choice Winners*

# Program Summary

- **Individual or team entries were allowed**
- **Design a Pocket Neighborhood on 1 acre site**
  - Minimum 6 houses total
  - Minimum 2 family sized houses
  - Minimum 2 older adult houses (no steps, all basic living on 1<sup>st</sup> floor)
  - Minimum 2 sustainable features
- **Submission Requirements**
  - 1 board 20"x30"
  - 3D Computer Model and/or Physical Model
  - Narrative description

# Pocket Neighborhoods Ross Chapin Examples



*Ross Chapin Architecture*  
<http://pocket-neighborhoods.net>

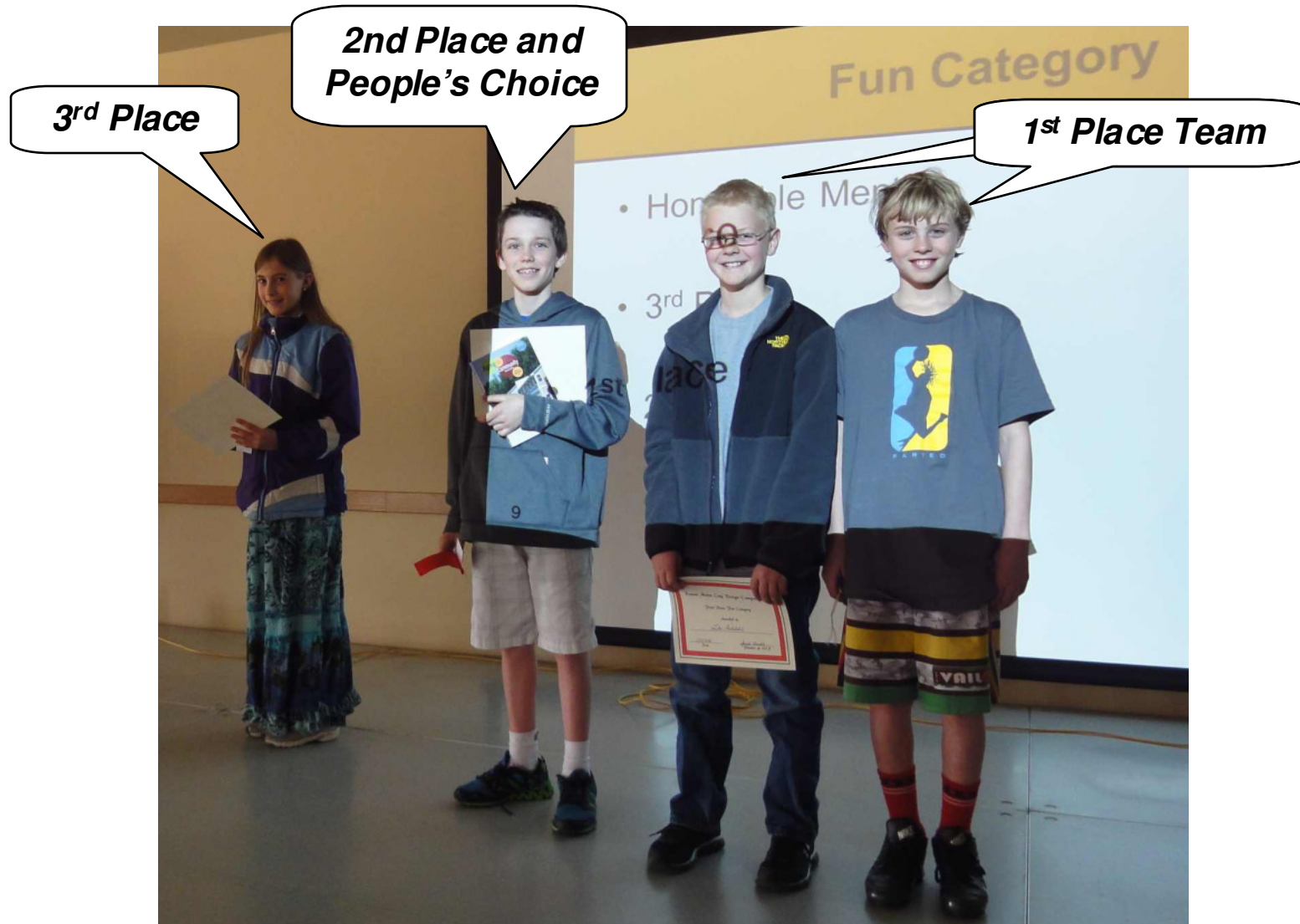
# Super Fun Category

(not judged)



# Fun Category

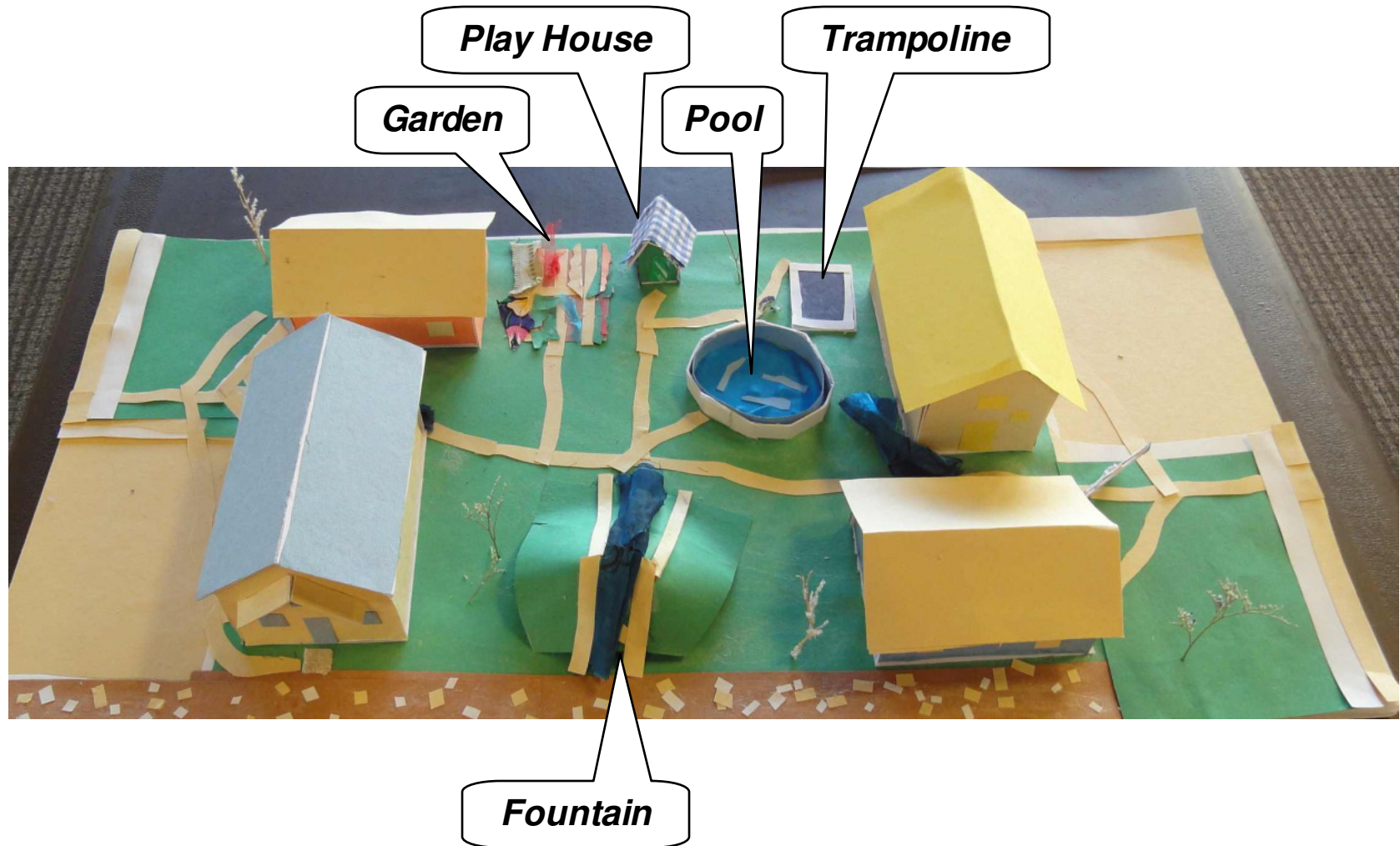
(4 houses on 1/2 acre requirement)





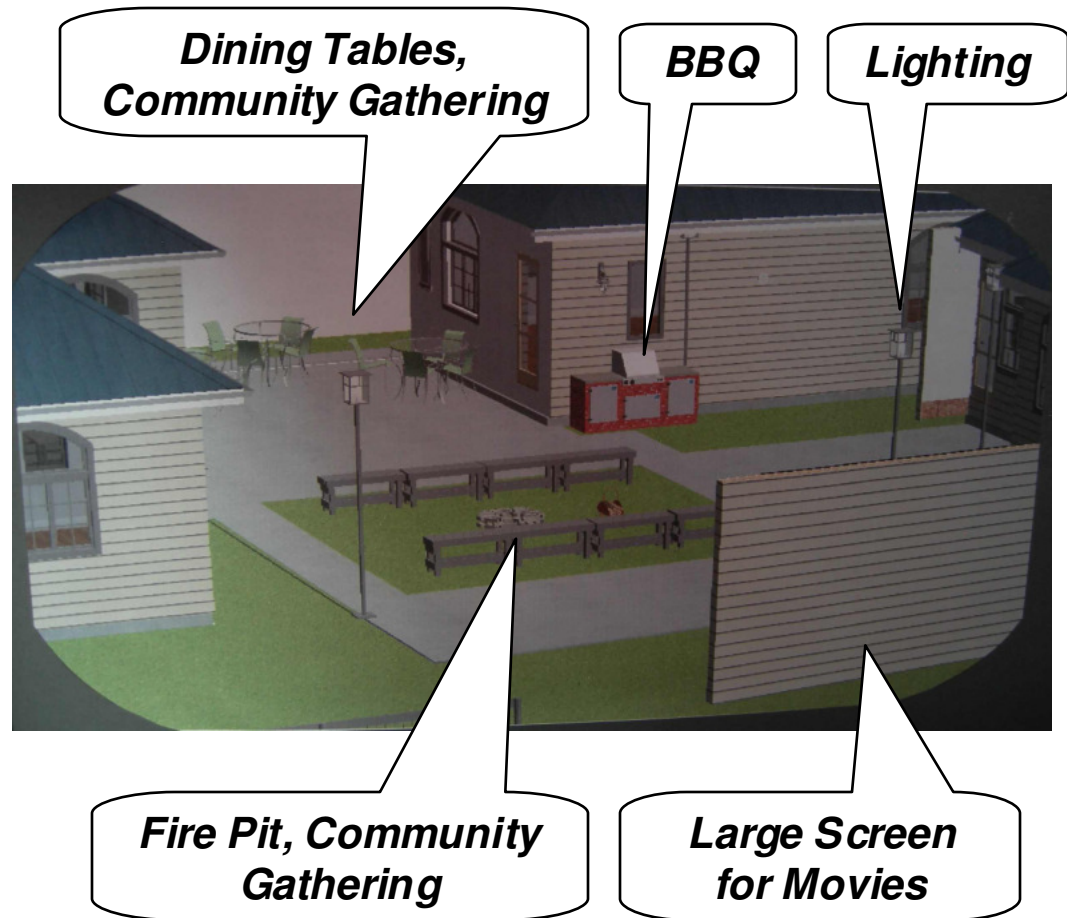
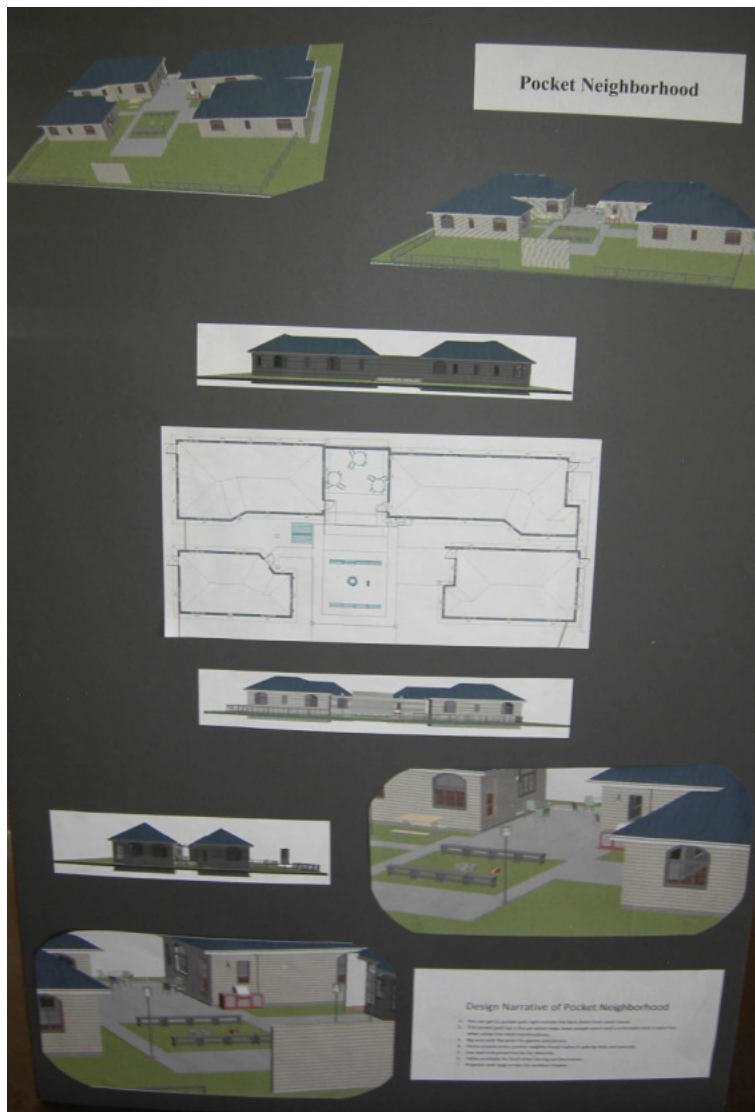
# Fun Category: Honorable Mention

Gianna Burch, 2<sup>nd</sup> grade, home schooled, Littleton



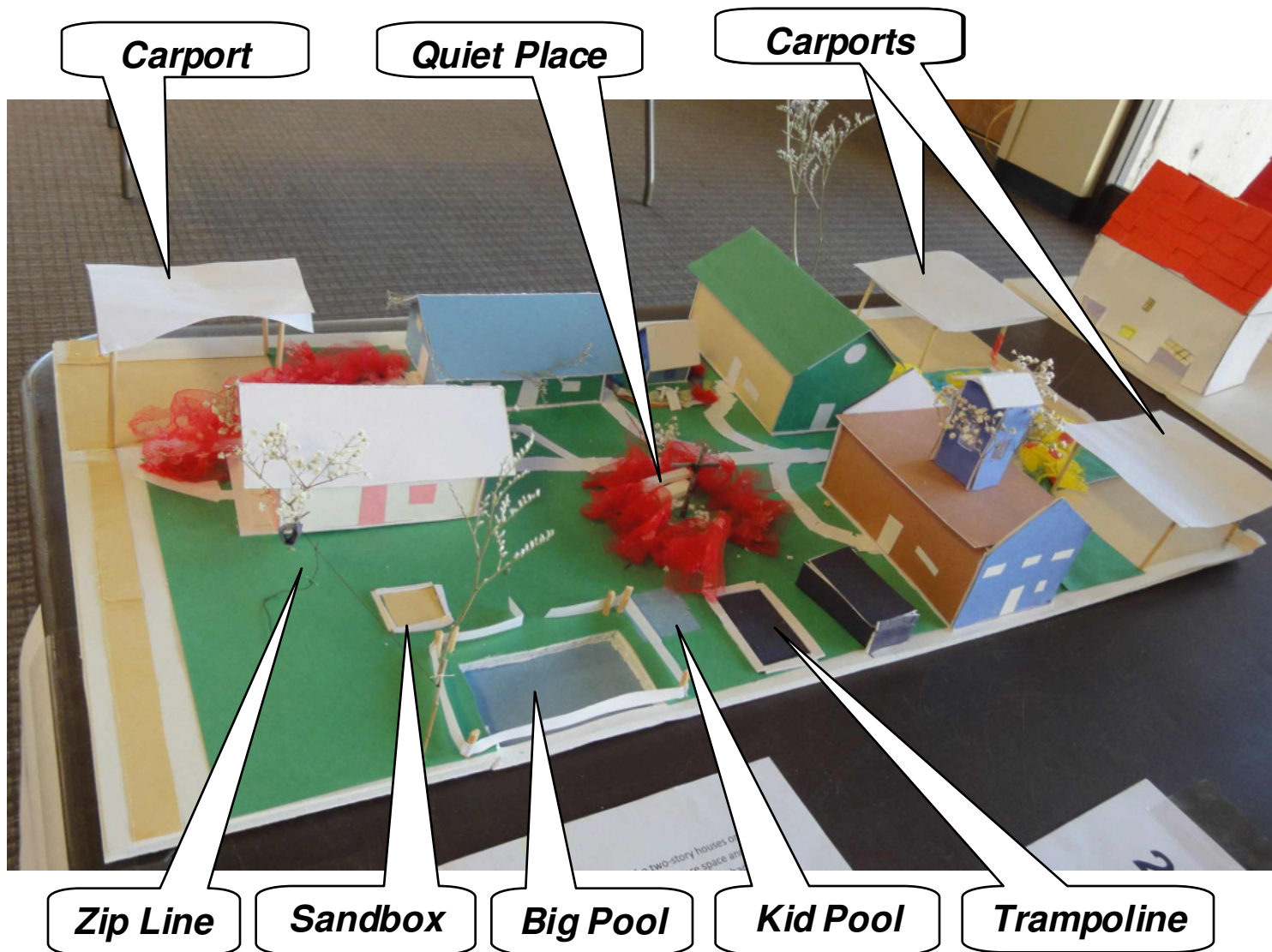
# Fun Category: Honorable Mention

Adam Richardson, 3<sup>rd</sup> grade, Bill Roberts Elementary, Denver



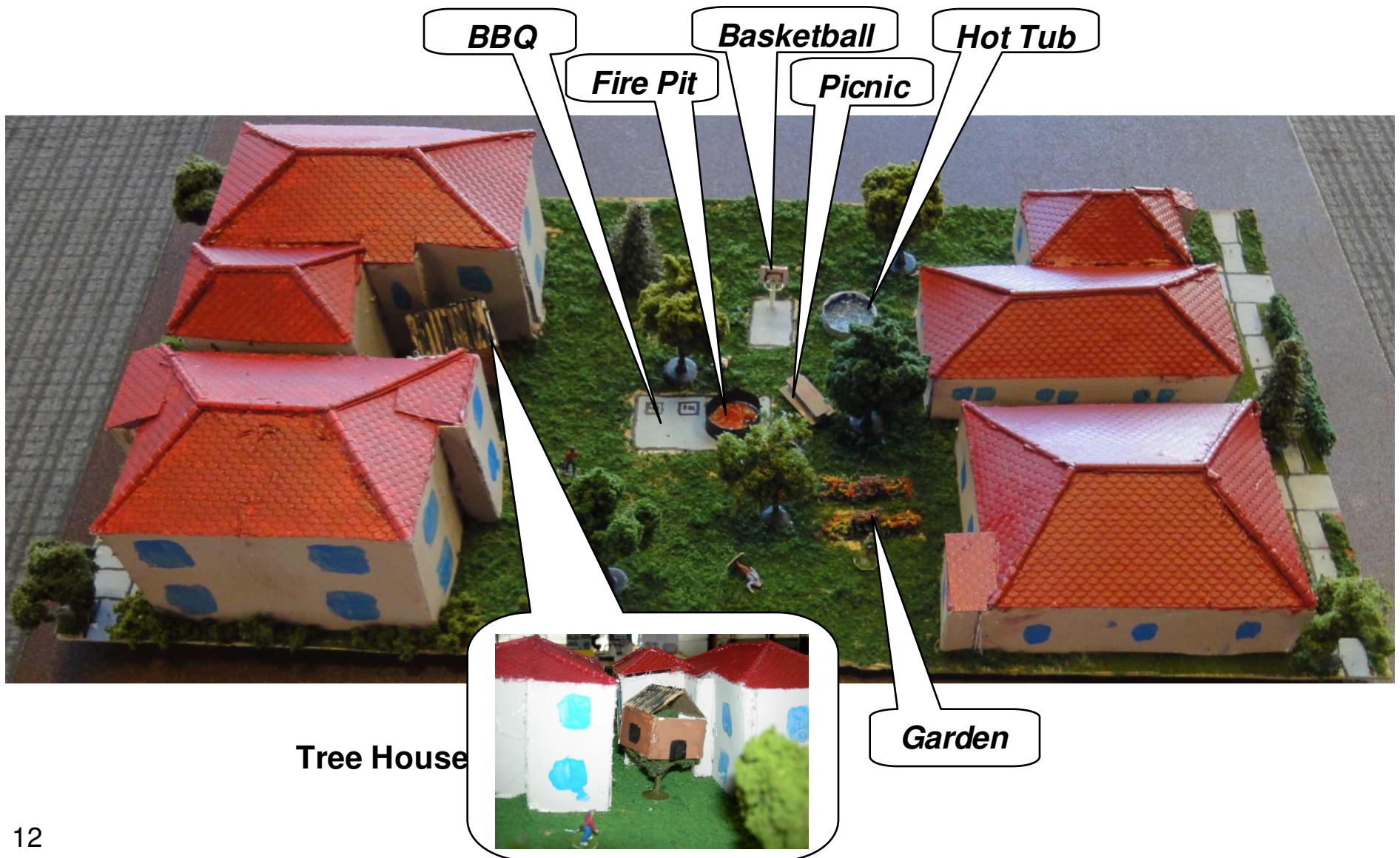
# Fun Category: 3<sup>rd</sup> Place

Colette Burch, 6<sup>th</sup> grade, home schooled, Littleton



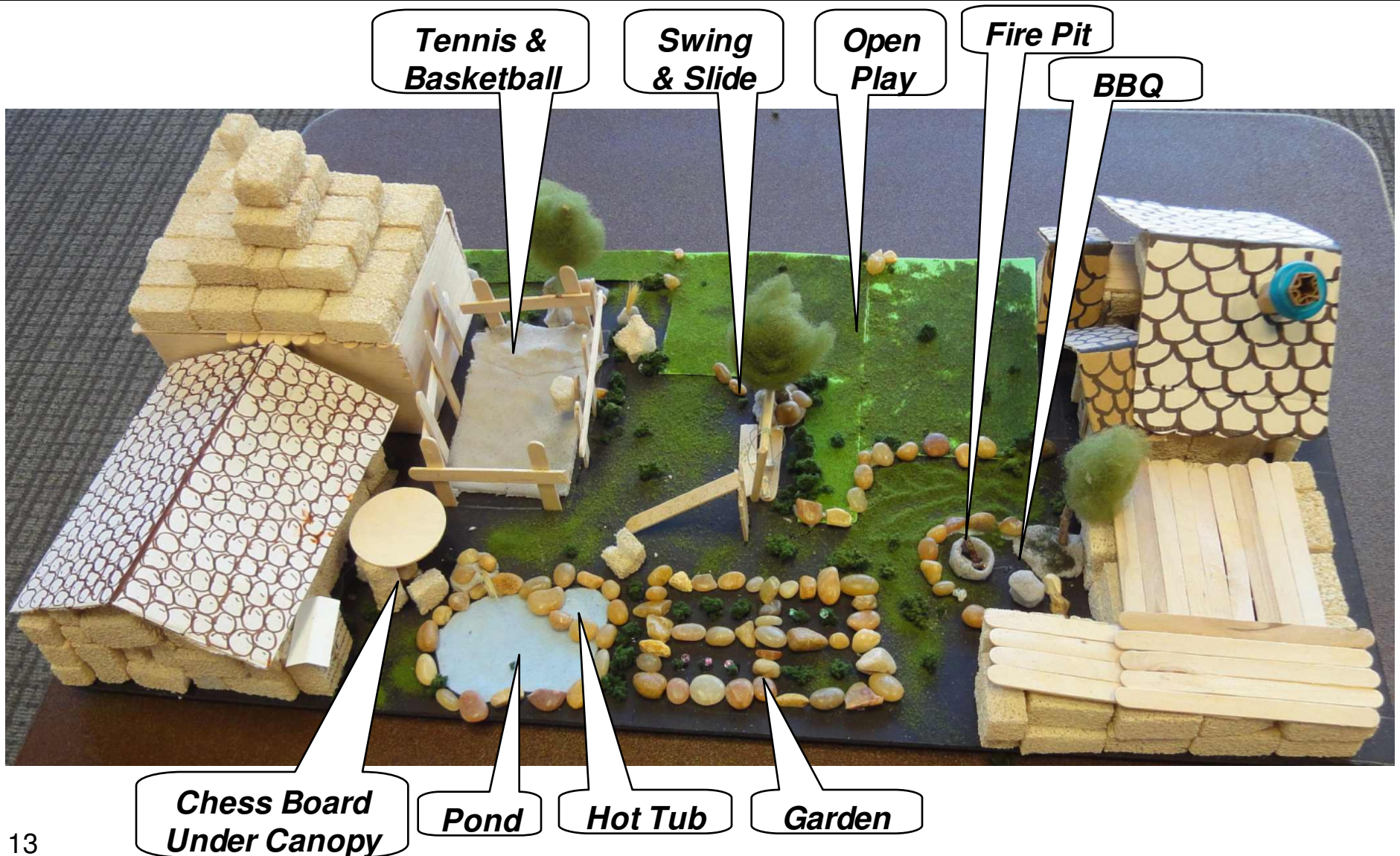
# Fun Category: 2<sup>nd</sup> Place

Jack Martin, 6<sup>th</sup> grade, All Souls Catholic School, Englewood



# Fun Category: 1<sup>st</sup> Place

Luke Archibald & Tanner Amman, 6<sup>th</sup> grade, All Souls Catholic School, Englewood



# Scholarship Category

(Min. 6 houses on 1 acre)

*Honorable Mention  
and People's Choice*

*Honorable  
Mention*

*3<sup>rd</sup> Place*

*2<sup>nd</sup> Place (Team Rep)*

*1<sup>st</sup> Place*



# Scholarship: Honorable Mention

Simon Bertron, 11<sup>th</sup> grade, Denver East HS, Denver

**Solar Panels:**  
Solar panels placed on the roofs of the senior homes and on some of the shades of the single family patios provide passive solar design and sustainable energy for the community produced within the community.

**Public Space:**  
This grass field and this patio provide communal areas designed for play and socializing that bring the neighborhood closer together.

**Bioswale:**  
Because of the limited amount of storm water runoff created onsite, this bioswale can accept offsite runoff from the street.

**Geothermal Heating:**  
These houses use geothermal loops to utilize heat from below the earth's surface and to share heat with one another.

**Patio:**  
This patio is made of paver stones which allow storm water to be absorbed instead of run off.

**Private Space:**  
Senior homes have small, fenced-in, backyards while single family homes have raised patios. Both are able to enjoy the outdoors in private.

**Rain Water Collection:**  
Rainwater from every roof onsite is collected in elevated barrels that drain into an underground irrigation pipe that serves the community gardens.

**decomposed granite paths**

**communal composting**

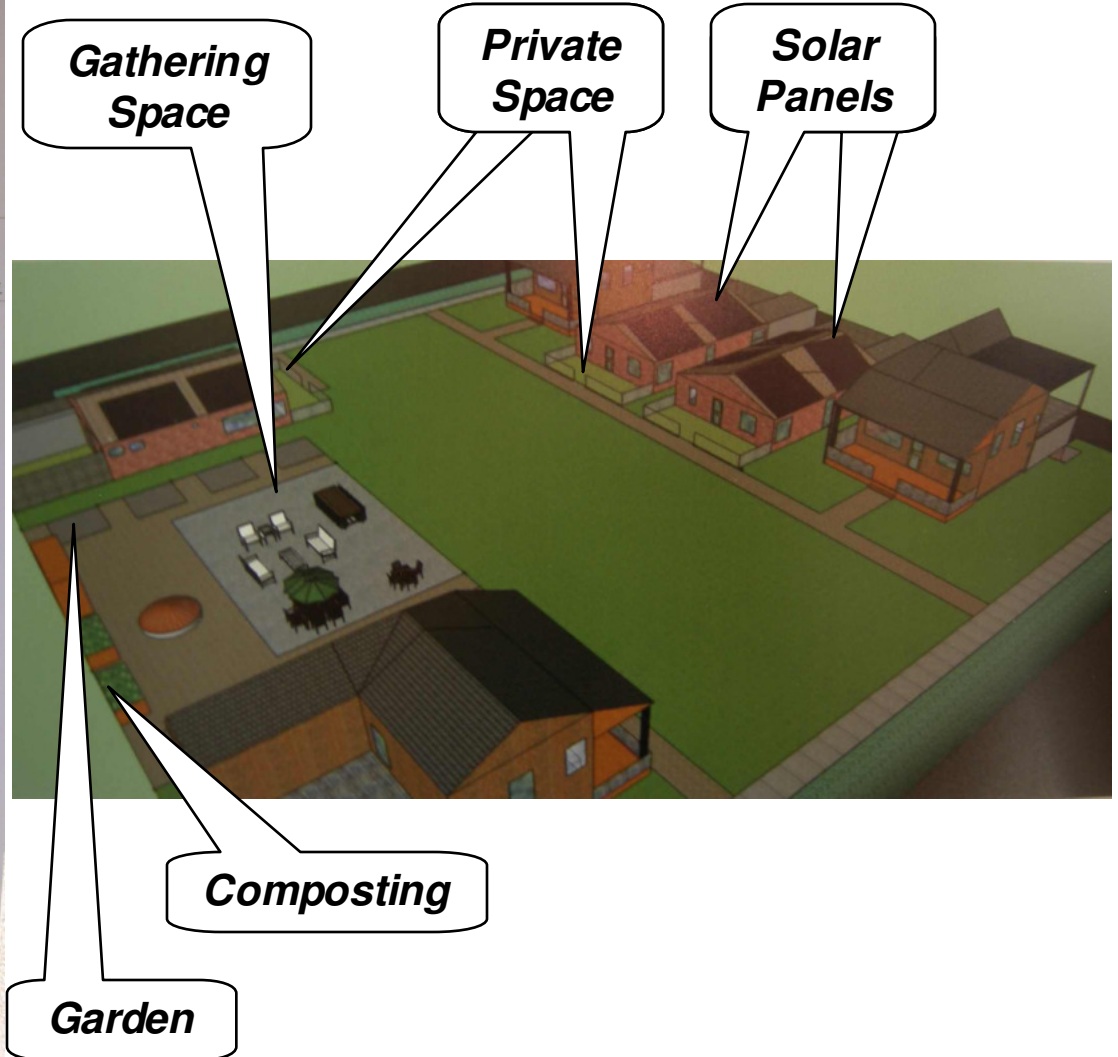
**Single Family Floor Plans**

**Senior Home Floor Plans**

**Three-Dimensional Renderings**

**Elevated Site Perspective**

**Community Gardening / Gathering**



# Scholarship: Honorable Mention

Simon Bertron, 11<sup>th</sup> grade, Denver East HS, Denver

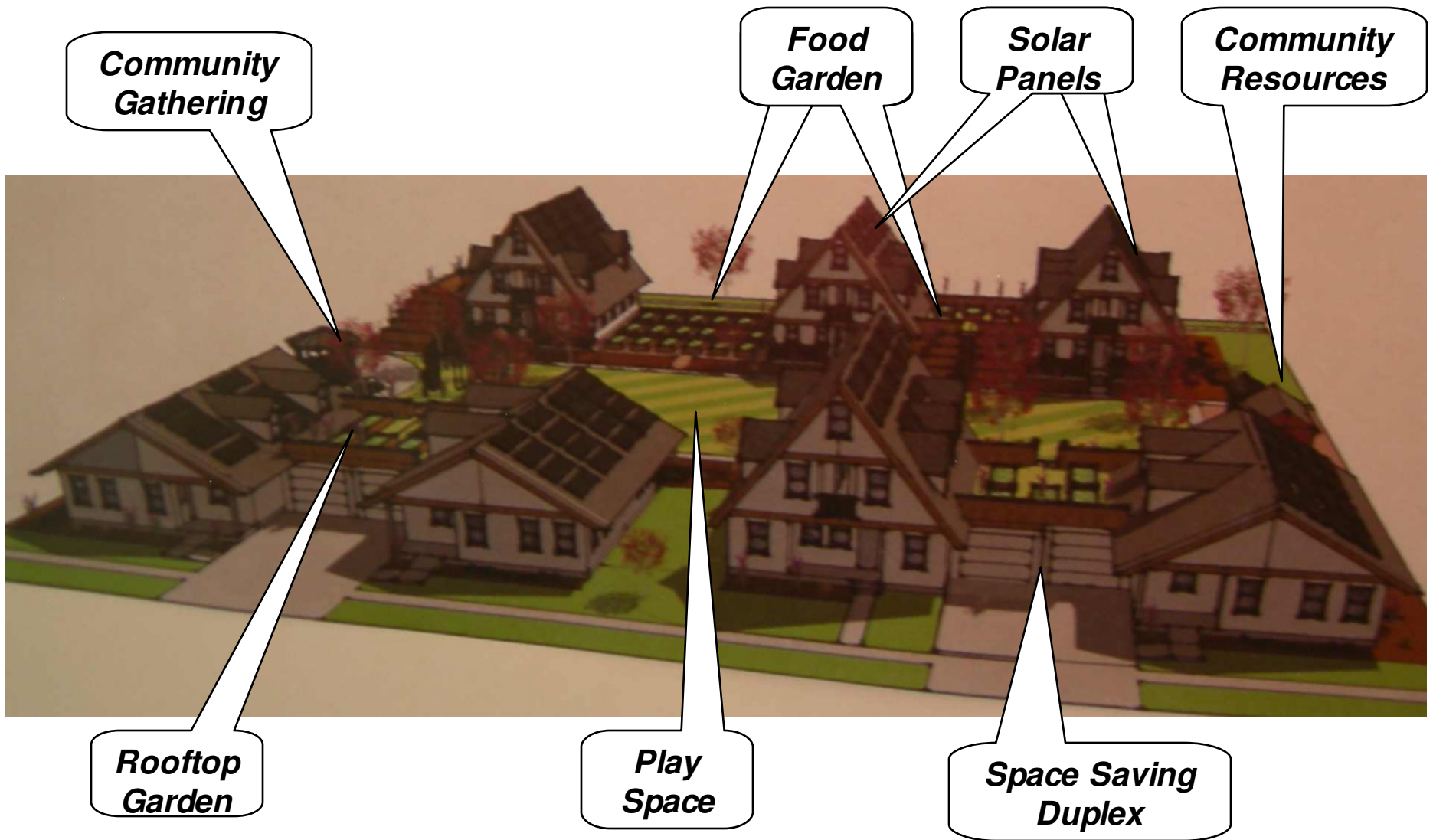
## *Informal Winner: Best Narrative*

“” On a broader scale, this thinking led me to think of traditional urban design as reactionary. For example, when storm runoff became a problem, it was diverted into nearby rivers with pipes and the pollution in the water was left for another person to deal with down the road. Urban problems were dealt with as isolated phenomena and not as parts of large interworking systems. That thinking led me to a new perspective on what the true potential of pocket neighborhoods is. I no longer view pocket neighborhoods as single entities that contain more houses per acre than average. I now realize that pocket neighborhoods are really an abstract idea that allow for the building of systems to treat the causes of urban problems. Every pocket neighborhood needs to be different, needs to be tailored to it's unique environment. This, finally, became a theme in my design. I designed simplistic floor plans to emphasize that the architectural design of the houses is not important and should be interchangeable to adjust to the needs and wants of different environments and inhabitants. I designed my three-dimensional model and my site plan with two different rainwater collection systems to underscore the fact that no one system is perfect (Figs. 4 & 5). I came to believe that through flexibility my design could be a blueprint for change in any neighborhood in the country.



# Honor Mention & People's Choice

Riley Blanchard, 11<sup>th</sup> grade, Home School, Littleton



# Honor Mention & People's Choice

Riley Blanchard, 11<sup>th</sup> grade, Home School, Littleton

Community  
Gathering



Community  
Resources

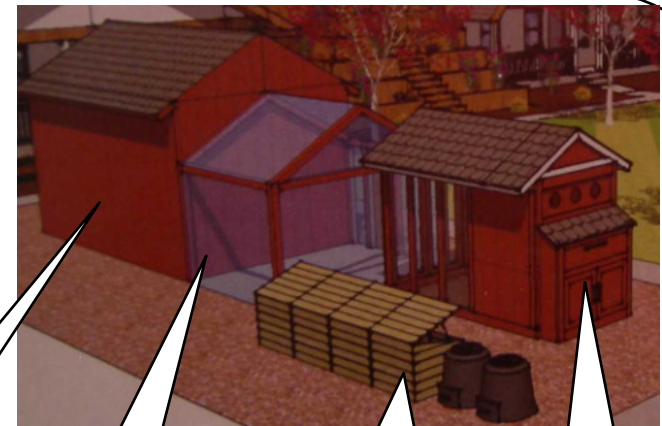


*Gazebo*

*Grill*

*Tables*

*Swing Set*



*Shed*

*Greenhouse*

*Compost*

*Chicken Coop*

# Honor Mention & People's Choice

Riley Blanchard, 11<sup>th</sup> grade, Home School, Littleton

*Informal Winner: Most Creative Idea*

**Garage Front**



- Space Saving Duplex
- Shared wall = garage wall
  - Minimizes sound transfer
  - Still feels like single family

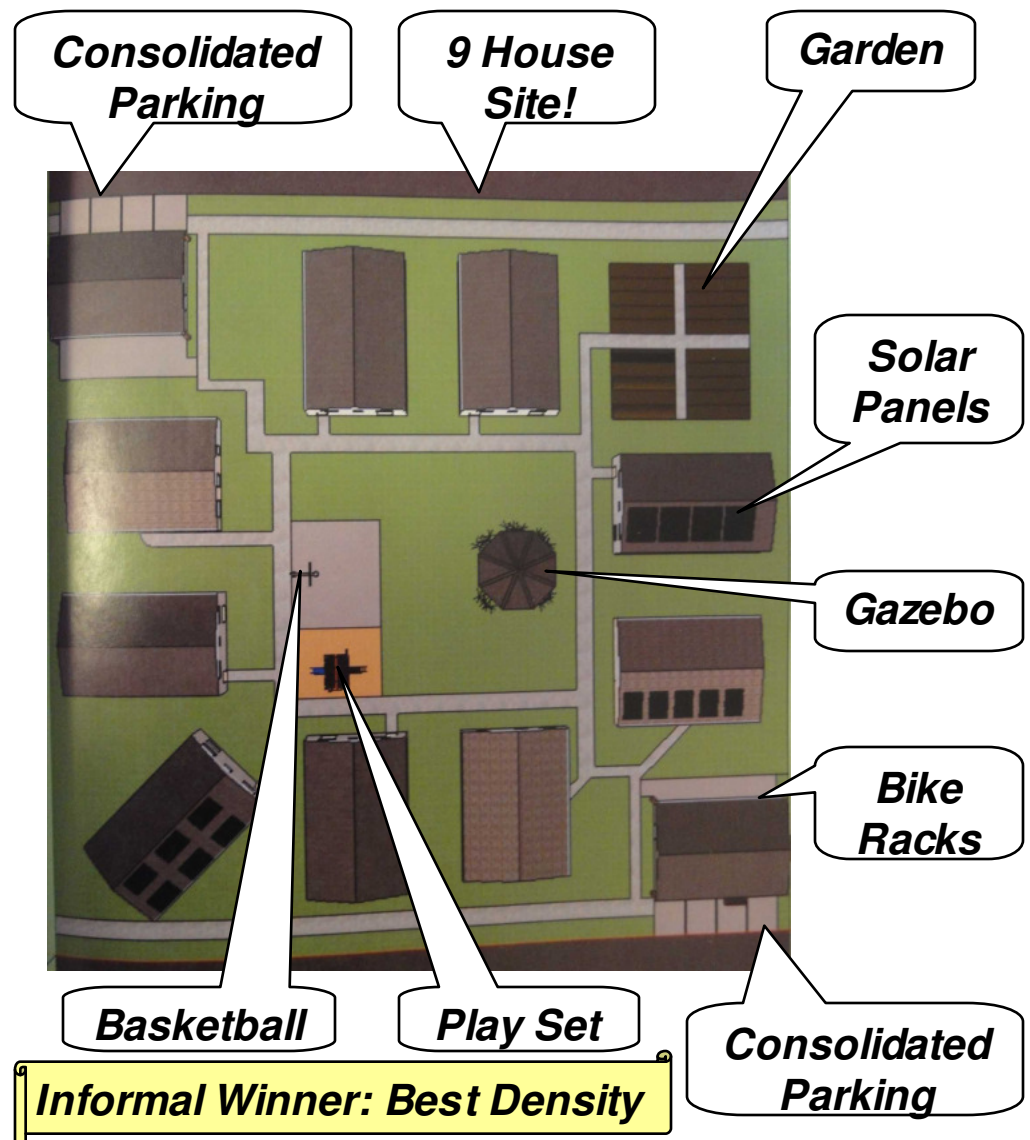
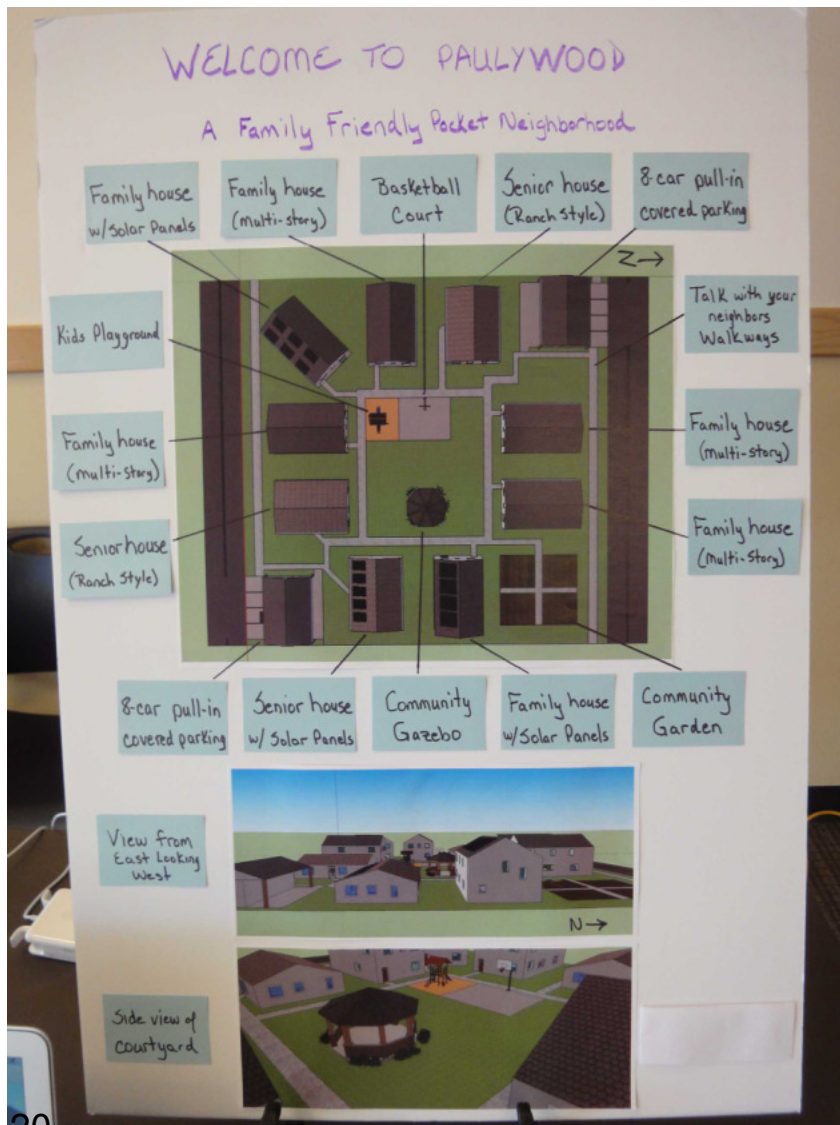
**Garage Back**



- Landscaped stairs to garage roof
  - Additional planting beds along stairs
  - Additional usable space on top of garage roof

# Scholarship: 3<sup>rd</sup> Place

Paul Trainor, 7<sup>th</sup> grade, home school, Parker



# Scholarship: 2<sup>nd</sup> Place

Wesley Gaskill, Ben Lin, Nhi Ma, Jacques Mcleau, Diego Ramirez, Golden HS

## Denver Metro Design Competition


GOLDEN HIGH SCHOOL

Thesis: *Our goal was to design a sustainable pocket neighborhood that is family friendly and accessible.*


### One Story



### Two Story



### Site Plan



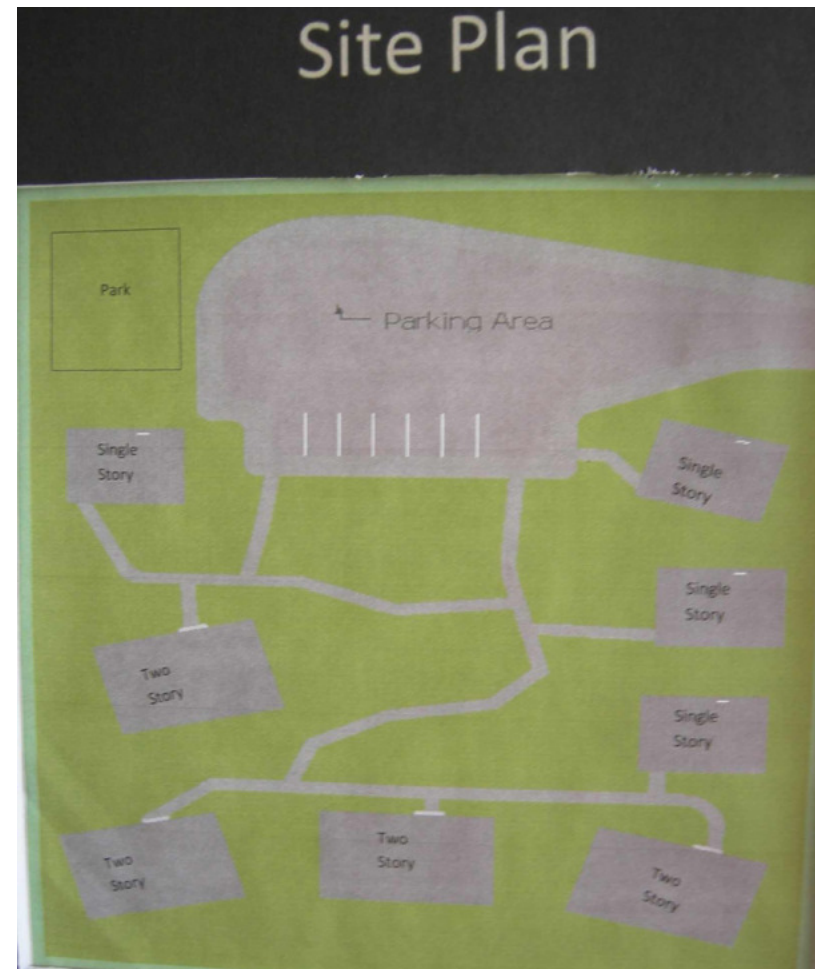
### Sustainability Aspects

- South facing facade
- Thick walls with foam insulation
- Recirculating air system that uses cold air from crawl space for air condition
- Energy Star doors, windows, appliances

Sustainable Patterns in Nature, Family, and Community

**HUMAN LIFE PROJECT**

**ARAPAHOE COMMUNITY COLLEGE**



*Etched board was visually striking*

# Scholarship: 2<sup>nd</sup> Place

Wesley Gaskill, Ben Lin, Nhi Ma, Jacques Mcleau, Diego Ramirez, Golden HS



# Scholarship: 1<sup>st</sup> Place

Cole Hancock, 9<sup>th</sup> grade, Heritage HS, Littleton



3D board was visually striking

# Scholarship: 1<sup>st</sup> Place

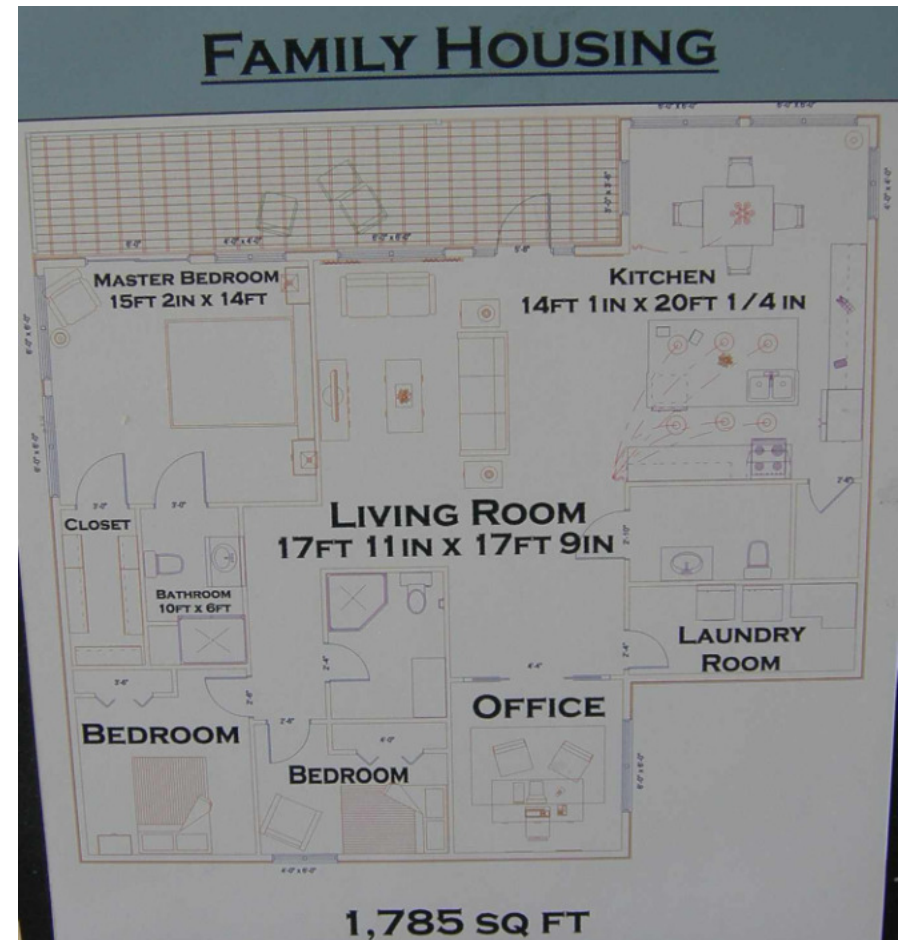
Cole Hancock, 9<sup>th</sup> grade, Heritage HS, Littleton





# Scholarship: 1<sup>st</sup> Place

Cole Hancock, 9<sup>th</sup> grade, Heritage HS, Littleton



# Going Forward

- 2014-15 Design Competition
  - Let us know of your ideas for next year's competition
  - For example:
    - Integrating food growing into a building such as a grocery store or restaurant
    - Design a family friendly restaurant
    - ...
  - Send Ideas to: [staff@humanlifeproject.com](mailto:staff@humanlifeproject.com)
- Let us know if a group (government, professional, church, etc.) would be interested in seeing a presentation of the winning results
- Send feedback to [staff@humanlifeproject.com](mailto:staff@humanlifeproject.com)
- Let people know about the design competition !!

# Denver Metro City Design Competition

Thank You



**Jennifer Ranville, Founder of HLP and Architect**

**Scott Ranville, President of HLP**

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