

## Pine Richland Middle School Career Day

Friday, March 24·12:00 – 2:30pm

**Sarah Therale** (7th grade teacher): **724-625-3111** ( Jan.31 email)

**100 Logan Road, Gibsonsia, PA 15044**

5 classes from 12:20pm to 2:20pm

125 kids, 25 per class (shells)

### Materials:

(4) 211& (2) vuoto models

Thumb drive (slides)

Drawing binder & Graphic Statics drawing

Bag of stones

Shells

5 books

20 minute presentation:

## 3 min: intro

■ **architecture is radically changing** ( science + tech = enlightenment )

■ Bus?, lunch?, after school?

**90% indoors**

Microbiome mutates microbes (bacteria, fungi) in habitat: creates the **feel of place** (familiar, comfortable)

...mutated microbes not found outdoors

■ insideness (more later...)

## 3 min: Why chose architecture?

Villa Vuoto (■ cool place, **w/o 'right' angles**)

## 3 min: Schooling required

Thesis (■ **proxemics: how place/forms makes feel**)

## 6 min: Typical day

211 models, pics (■ **courtyard house: bring outdoors inside**)

Graphic Statics ( ■ **engineering w/o math: proportion, angles**)

## 3 min: Questions???

## 2 min: Future of architecture

Bigness > w/o architecture

■ **Feel enclosed w/o enclosure?**

**Plaza at KAIT** (2020), Kanagawa, Japan (Jun'ya Ishigami)

[...mutated microbes] Outdoors becoming uninhabitable (moon, mars already uninhabitable)

Space X Starship: April orbital launch

Hadley Rim, SE Mare Imbrium: Apollo15 (July 26-Aug7, 1971)

**If we can design habitable shelters for moon, mars, will discover ways to keep earth habitable**

Laka international design competition: **Architecture that Reacts** (Nov. 2018)

CMU Integrated Innovation Institute: Satellite Shelter (homeless)

Woody Hoburg (NA 2004, MIT): piloted Space X Crew 6 to ISS.

Astrobotic Peregrine: May 4 to Moon

■ Daily tuning (draw, model, look) **think about how places make you feel**

Books: Why draw?, manifesto, thesis, mousetrap, eaves