



Program: Green Building

Grade Level: 5 -8

Group Size: Max. 30

Length: 90-120 minutes

Location: Center for Architecture and Design or on site



Overview

Human actions are currently disrupting the planet's natural balance. Architects and designers are trying new ways to design with a positive environmental impact. Youth learn modern techniques used in green building and are challenged to develop the building of the future.

Big Idea

- Design can contribute to solving environmental issues such as climate change.

Outcomes

- Understand the need for changing the way things are built.
- Design and model an office building that benefits or relieves its impact on the environment.

Vocabulary

- LEED certification
- Passive houses
- Commensalism
- Living buildings
- Mutualism
- Parasitism

Standards Supported

Common Core State Standards (CCSS)

- ELA: Speaking & Listening: CCSS.ELA-Literacy.SL.5.1, CCSS.ELA-Literacy.SL.5.1.b, CCSS.ELA-Literacy.SL.6.1, CCSS.ELA-Literacy.SL.6.1.b, CCSS.ELA-Literacy.SL.7.1, CCSS.ELA-Literacy.SL.8.1
- Visual Arts: VA:Cr1.2.5, VA:Cr2.1.5, VA:Cr2.2.5, VA:Re7.1.5, VA:Cr1.1.6, VA:Cr2.1.6, VA:Cr2.3.6, VA:Cr10.6, VA:Cr1.1.7, VA:Cr2.1.7, VA:C2.3.7, VA:Cr2.1.8, VA:C2.3.8

Next Generation Science Standards (NGSS)

- MS-ETS1-1 Engineering Design

21st Century Skills

- Collaboration
- Communication
- Creativity and innovation

Reservations

For reservations, please call 206-957-1921 or email: info@seattlearchitecture.org

Seattle Architecture Foundation

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