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