

architecture experience

Explore the award-winning SANAA-designed River building at Grace Farms to learn how “space communicates” through intentional design. Special consideration was given to the landscape of Grace Farms, ensuring that no matter where one is on the site, one can see nature. This program introduces young learners to architecture and design concepts.

Led by a Grace Farms Educator, students will walk through the River building, exploring the architecturally significant design and how the structure supports the landscape and the mission of the organization.

Students will investigate the materials used in the creation of the River building and learn to trace the materials as far as possible along the supply chain. By exploring the supply chain for timber, participants will be introduced to the Design for Freedom movement. Launched in 2020, the Design for Freedom movement aims to end forced labor in the building materials supply chain. Students will learn how decisions that are made in the design process can impact communities around the world.

Finally, participants will engage in a maker moment and have the opportunity to use their own creativity to respond to a design challenge.

curriculum standards

NGSS K-2 ETS1-1,2&3, 3-5-ETS1-1,2&3, MS-ETS1-1,2,3&4, HS-ETS1-1,2&3 | HIST 8.3 | CIV 2.1-4, 8.4, 9-12.1 | ECO 2.2-3, 8.6, 9-12.5-6 | GEO 2.4-6, 8.4

Additional Resources to Explore

[Design for Freedom Report](#)

[Design for Freedom Toolkit](#)

[2023 Annual Report](#)

explore more programming at gracefarms.org/events

follow us [@gracefarmsct](#)



name _____

architect's wordsearch

How many architecture-related vocabulary words can you find?

S L H T A I N D N E S S Z L F
A O M E R B F B I A H G A I M
N K O Z C L S E C X A L O N D
A I S D H I H N Z S P A C E I
A D E S I G N F C L E A A B E
L T N E T H P R O O F H D F F
M E C C E T C E M U A G A I S
O N O O C U A N P R G R A C E
D T L E T O X C A F A R M S T
E I O R N B C H S T R U S S I
L O R A E R R D S H N I B O M
S S C U P P E R I L T T Z C B
H A X G L U L A M B E A M H E
M E A D O W A I N A T D N E R
X A P E N G I N E E R E C K S

1. architect
2. color
3. design
4. engineer
5. french drain
6. glulam beam
7. light
8. line
9. model
10. roof
11. scupper
12. shape
13. space
14. timber
15. truss

name _____

architect's wordsearch

How many architecture-related vocabulary words can you find?

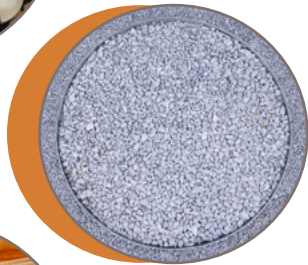
S L H T A I N D N E S S Z L F
A O M E R B F B I A H G A I M
N K O Z C L S E C X A L O N D
A I S D H I H N Z S P A C E I
A D E S I G N F C L E A A B E
L T N E T H P R O O F H D F F
M E C C E T C E M U A G A I S
O N O O C U A N P R G R A C E
D T L E T O X C A F A R M S T
E I O R N B C H S T R U S S I
L O R A E R R D S H N I B O M
S S C U P P E R I L T T Z C B
H A X G L U L A M B E A M H E
M E A D O W A I N A T D N E R
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architecture match-up

Look closely. Can you match the pictures of Grace Farms with the vocabulary words?



French Drain

An opening that collects rainwater and melting snow.

Glulam Beam

Layers of wood glued together to make the beam stronger than steel.

Truss

Straight pieces of metal or timber usually in triangle shapes creating strength and support.

Model

A small three-dimensional form that shows what a building might look like before it is built.

Scupper

An opening on the side of a building where rainwater flows off the roof.

Timber

Wood used in buildings and furniture.