

Explorations



THE CHALLENGE:

Sticks and stones may break your bones but are great to use when building! Building with stones dates back to many centuries ago. Stonehenge and pyramids are stone construction mysteries that have yet to be solved. Have you ever built anything in nature using what was around you? A camp with mud, twigs and branches or a structure using rocks?

Your challenge is to get inspired by nature! Get outside, make observations, gather natural materials and see what will inspire you! Try some of these explorations to get started!



Remember to share your creations with us on social media!

~ Cross-Curricular Team ~
Dream. Explore. Discover.



Exploration 1

I see grass, I see dandelions, and I see trees, but how did I get in here? Somebody heeeellpp!!! I was walking on the trail and then.....



Task:



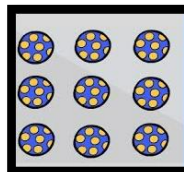
Continue the story to explain how this character got stuck in the jar. Instead of drawing a picture to go with your story, create a scene from your story with items found in nature.

Exploration 2



Did you know there are three different types of rocks on the Earth? Become a geologist and collect different types of rocks while observing their differences. Click [here](#) to watch a video about the types of rocks.

Task: Get creative and paint the rocks with an emoji or symbol to create multiplication arrays.



Exploration 3

All plants and animals need their basic needs to be met to thrive and survive. Most plants' basic needs include "LAWN"; light, air, water and nutrients.



Task:

Plant a seed in different types of soil to investigate which soil provides the best nutrients for the plant. Remember, creating a fair test requires labels, measurements, and only changing one variable at a time.



Build Challenge

Rube Goldberg Machines in Nature!

Rube Goldberg was a cartoonist and inventor who liked to create overly complex machines to complete a simple task using a series of chain reactions. Think dominoes, ramps, levers, pulleys, and more!

Task: Watch this Rube Goldberg machine in action, get inspired, then create your own machine outdoors using natural objects such as rocks, sticks, hills, etc.





THE CHALLENGE:

Sticks and stones may break your bones but are great to use when building! Building with stones dates back to many centuries ago. Stonehenge and pyramids are stone construction mysteries that have yet to be solved. Have you ever built anything in nature using what was around you? A camp with mud, twigs and branches or a structure using rocks?

Your challenge is to get inspired by nature! Get outside, make observations, gather natural materials and see what will inspire you! Try some of these explorations to get started!

Remember to share your creations with us on social media!

~ Cross-Curricular Team ~
Dream. Explore. Discover.



Explorations – Possible Outcomes & Extensions

Exploration 1-

FILA

3^e: Enquête 6

4^e: Enquête 5

5^e: Enquête 6

LITERACY

Gr 3- 5

GCO: 8, 9, 10

Art

Development of Imagery

Exploration 2 –

LITERACY

GCOs –1, 4

NUMERACY

Gr 3: N11

Gr 4: N5

Gr 5: N3

SOCIAL STUDIES

Gr 3:

Gr. 4: 3.1, 3.2

Gr 5:

FILA

3^e: Enquête 3

4^e: Enquête 5

5^e: Enquête 6

Exploration 3 -

SCIENCE

Skills

Initiate & Plan, Perform & Record, Analyze & Interpret

Knowledge

Gr.3 : SCO 1.1 1.2 1.3, 1.4

Gr 4 : 300-2, 205-1, 205-10, 205-5

Gr. 5 : 206-2, 206-3, 206-4

FILA

3^e: Enquête 6

4^e: Enquête 5

5^e: Enquête 6

Build Challenge

NB Global Competencies

Critical Thinking & Problem-Solving, Innovation, Creativity & Entrepreneurship, Collaboration

Additional Resources & Extensions

[NB Global Competencies](#)

[Brilliant Labs Spring Learning Resources](#)

Science East [Inquiry-based Learning](#)

Smarter Science [Step into Inquiry](#)

Chris Wood [dailySTEM](#)

Mark Rober [NASA/Apple Engineer/Youtuber](#)