Resources from STEM Virtual Programming

Goose Chase: [https://www.goosechase.com/](https://www.goosechase.com/)

Breakout Edu: [https://www.breakoutedu.com/](https://www.breakoutedu.com/)

Hen House Breakout Game: [https://sites.google.com/view/greatescapesfarm/home](https://sites.google.com/view/greatescapesfarm/home)

Google Docs Resource: [https://sites.google.com/view/digitalbreakouttemplate](https://sites.google.com/view/digitalbreakouttemplate)

Site with awesome puzzle resources: [https://www.breakoutedu.com/puzzleresources](https://www.breakoutedu.com/puzzleresources)


Arduino used for Lilypad coding: [https://www.arduino.cc/](https://www.arduino.cc/)

Crime Scene Camp: [https://sites.google.com/view/ndsustemkids/home](https://sites.google.com/view/ndsustemkids/home) See second page for supply list for crime scene camp. Videos direct each activity.

Hosting Virtual Games Quick Guide (University of Minnesota): [https://docs.google.com/document/d/1J5KPzps8Lufe9eqNVBuqA1yM4rFEvRhyRvGRO6mNio4/edit](https://docs.google.com/document/d/1J5KPzps8Lufe9eqNVBuqA1yM4rFEvRhyRvGRO6mNio4/edit)

Build Safe Online Learning Environments (University of Minnesota and CYFAR): [https://cyfar.org/resource/build-safe-online-learning-environments-youth](https://cyfar.org/resource/build-safe-online-learning-environments-youth)

Energy Breakout: [https://sites.google.com/view/bfbreakout/home](https://sites.google.com/view/bfbreakout/home)

Solutions:

Corn Production Page: 168 (average yield) and Energy from the word scramble. Unlocks Photosynthesis for the home page.

Refinery: Fermentation (underlined letters in document), 523 (statewide ethanol production capacity from map - need to add), Distillation. Unlocks C2O5OH for the home page.

Retailing page: Gasoline is a mixture (from the cipher), 113 (ethanols octane number from the photo). Unlocks Octane.
Parliamentary Procedure Breakout Edu Game:
https://platform.breakoutedu.com/game/play/effective-meetings-639266

Solutions:

**Color Lock:**
Code: Blue, Red, Yellow, Orange, Green
Colors of the vowels in order they are in the word.

**Shape Lock:**
Image with the letters in shapes. Answer is AGENDA
Code: Square, Circle, Diamond, Square, Circle

**Letters Lock:**
Code: C M C T O C U N A A
Correct order of an agenda, using the first letter of each

**Numbers Lock:**
Code: 2 3 1
Calls the meeting to order – 2 taps
Signal for members to stand – 3 taps
Signal for members to be seated – 1 tap

**Letters Lock:**
Code: S R V S S (First letter of the answer in the order of the puzzle numbers)
Agriculture Breakout Game:  
https://docs.google.com/forms/d/e/1FAIpQLScR4R269XaT0zd8B6BrKEXsGPazk4jb8ppfpaPQLy8Iz7-z2A/viewform

**Solutions:**

Section 1; (Keep all format the same)

1. 13.3 cents  
2. food services  
3. 30.3 cents

Section 2;

1. wheat

Section 3;

1. pink  
2. green  
3. yellow  
4. orange

Section 4;

1. CODE (2194)

Section 5;

1. up  
2. up  
3. right  
4. down  
5. left

Section 6;

1. ¾  
2. wheat, rice and corn  
3. corn  
4. wheat  
5. rice  
6. cheeseburger  
7. Code (324213)
Crime Scene Camp Supply List

Blood Type Activity:
Paint palettes to mix materials
Blood typing lab kit (we bought on Amazon and then repackaged everything into little dropper bottles)

Powder Analysis:
Small zipper bags for powders
Baking soda
Sugar
Salt
Pipettes
Small bottles for liquids
Water
Vinegar
Paint pallettes for mixing

Fingerprinting:
Fingerprint cards
Stamp pads
Alcohol wipes for cleanup

Shoeprint activity:
Printed shoeprint
Ruler
Blood spatter:
Ruler
Pipette
Fake blood (we bought one bottle and watered it down a lot; in person we use water/milk/food coloring)
Dropper bottles for blood

Bitemark analysis:
Candy (e.g. Laffy Taffy, Tootsie rolls)
Styrofoam plates to bite into

Other general things:
Notebook
Invisible ink pen with light
A pair of gloves
Mini magnifying glasses