

Meeting-in-a-Box: Inventing

This meeting is aimed at **Guides** and covers the **Inventing** Badge as well as other program work. There are enough elements for about **1 hour and 40 minutes'** worth of activities.

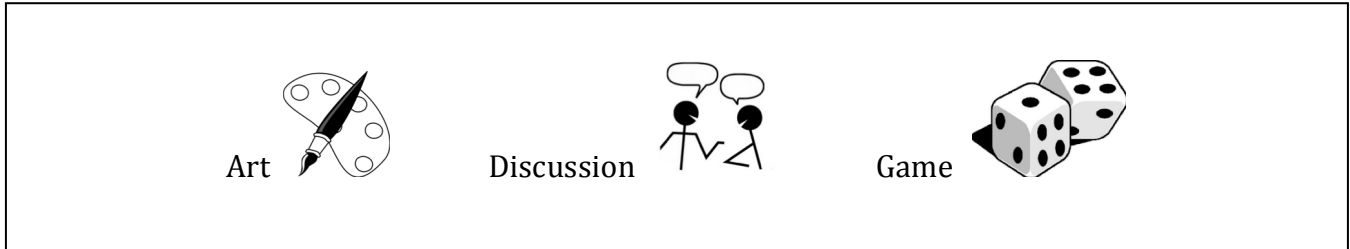


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Supplies

- Index cards (24)
- Appendix 1 printed out and cut up
- Box with random objects

Activity 1: Intro

(10 minutes)



Introduce the theme and start by asking questions:

- Do you know the names of any inventors?
- Do you think you could be an inventor?
- What qualities do you think it takes to be a good inventor?

Activity 2: Future Inventions

(30 minutes)



Print out and cut up the names of common objects in Appendix 1. Split the girls into patrols or small groups and get each group to draw the names of 4 of the objects out of a hat. Their goal is to combine two of them into a new invention. After 15 minutes, have them come together and do a skit of an advertisement for their new invention. Decide as a group which ones you would buy and why.

Activity 3: Invention Jeopardy

(30 minutes)



Using index cards write the amounts \$100, \$200, \$300, \$400 and \$500 four times each. Write the titles “Invention,” “Communication,” “Travel” and “Other” once each.

Split the girls into groups and explain how to play Jeopardy. One at a time, each team gets to pick a category and an amount of money (more money means a harder question). Using the questions and answers found in Appendix 2, read out the question. Girls who think they know the answer should raise their hands. When you point to the girl who raised her hand first, she can give you her answer. If she gets it right, her team gets to keep the index card with that number of dollars. If she gets it wrong, move to the next hand you saw raised on another team.

- Note that in Jeopardy, questions are answers and answers are questions. For example, if you said: “The Country we are in,” the girls would have to say “What is Canada?” You can place as much or as little emphasis on this as you like.



Activity 4: Inventor Speed Improv

(30 minutes)

Gather a box of a few random objects (sheet of paper, water bottle, scissors, pen, hair elastic, etc.)

Split the girls into teams and explain the rules of the game. You are going to pull out one object and one member of the first team has to come up and use it as a prop. The catch is that she doesn't have to use the object as what it actually is. The pen can become a hot dog, the paper can be a hat. They need to be creative. As soon as everyone understands what she is acting out, yell switch and someone from the second team has to come up and act out something different with the same object.

Keep rotating through the groups with the same object until a group has no more ideas or they repeat something that was already done. If that happens, eliminate that group and keep going with the others. Once all the groups but one have been eliminated pull out a different object and start again.

Be fair warned that this game results in controlled chaos and gets rather loud. Keep an eye out to make sure that all the girls are getting a chance to participate and that it isn't always the same one or two girls acting from each patrol.

Program work completed

Activity	Guide Program Work Completed * The program doesn't match up exactly with the numbers indicated, but the activities accomplish similar goals
Intro	
Future Inventions	Inventing #1, 3, 6, 7 Learn about Leadership in a Group #2 Build Skills in Communication #5 Discover Your Creativity #1, 5 Performing Arts #2,4 Science #8
Inventor Jeopardy	Inventing #4, 8
Inventor Speed Improv	Inventing #4 Discover Your Creativity #3, 5

Meeting submitted by Elizabeth Knowles in January 2015

Appendix 1: Objects

Hairdryer
Microwave
Pen
Cell Phone
Flashlight
Shoe
Bicycle
Washing Machine
Doorknob
Kettle
Watch
Calculator
Fridge
Camera
DVD player
Parachute

Appendix 2: Jeopardy

	Inventors	Communication	Travel	Other
100	Galileo first used me to look at the stars and Jupiter's Moons <i>Telescope</i>	Papyrus and parchment are 2 of my ancestors <i>Paper</i>	I replaced the horse as a mode of transportation <i>Car/automobile</i>	I was originally called a suction broom <i>Vacuum</i>
200	Alexander Graham Bell invented me to talk to people over long distances <i>Telephone</i>	People used to type on me <i>Typewriter</i>	In the past I was powered by steam and by coal <i>Train</i>	Although some people are afraid of me, my invention has saved people from many illnesses around the world <i>Vaccination</i>
300	Henry Ford invented the assembly line, which was mainly used to make me at first <i>Car/automobile</i>	For a long time you could only watch me in black and white <i>Movies</i>	The Wright brothers built the first version of me <i>Airplane</i>	Kites were invented in this Asian country <i>China</i>
400	Gabriel Fahrenheit invented the modern version of me <i>Thermometer</i>	The telegraph is my ancestor <i>Telephone</i>	I am the oldest human carrying flight machine. I rise thanks to hot air. <i>Hot air balloon</i>	Hairs were originally taken from the back of a pig's head to make my bristles. <i>Toothbrush/brush</i>
500	The man who invented the lightbulb <i>Thomas Edison</i>	Johannes Gutenberg invented a machine that makes it possible for you to read books <i>Printing press</i>	The first version of me was built in Russia and was made to transport a satellite called Sputnik <i>Rocket</i>	I was originally invented to quickly seal wounds during wartime <i>Super glue</i>