

Design Challenge 2020



Saturday, April 18
Washington Pavilion

←
ESCAPE
ROOM
→

Challenge

Join us for the Washington Pavilion Design Challenge 2020, where teams are challenged to design and create a breakout box. Then, use your knowledge and skills to escape from our Challenge Room before the clock runs out.

How to Get Involved

- Participation is as simple as registering to let us know you're in! Anyone is eligible to register a team – schools, community groups, and families are all welcome.
- Fill out the attached **registration form** and submit it to the Washington Pavilion by **April 6, 2020**.

Age Categories

K-2nd . 3rd-5th . 6th-8th . 9th-12th

Teams with members that span multiple age groups will be placed according to its oldest members.

Team Size

Teams should have at least 2 and up to 5 individuals.

Cost

Free! There is no cost to participate in Design Challenge.
Cost of additional materials should not exceed \$15.

DESIGN CHALLENGE CHECKLIST



-
- Gather your team and come up with a team name – decide if you will wear costumes as part of your presentation
 - Register your team
 - Breakout Box development – See the fine print section for details
 - Choose a theme for your Breakout Box
 - Determine how many puzzles need to be solved
 - Create the puzzles – and their solutions!
 - Gather materials
 - Use everyday objects and materials from home
 - Don't spend more than \$15 (list materials purchased and their costs or source in a journal)
 - Create a journal to document your process throughout this challenge
 - Practice your presentation

ON APRIL 18, 2020

- Come to the Washington Pavilion – 301 S. Main Ave. Sioux Falls, SD
- Check in
- Set up your display and present your Breakout Box and journal to the judges at the designated time
- Judge teams will try to solve your Breakout Box within the allotted time
- Other Design Challenge participants will also try to solve your Breakout Box
- Put your puzzle solving skills to the test and try to escape from our Pavilion Challenge Room
- Awards, prizes and cookies!

CHALLENGE DETAILS

(For Team Leaders and Parents)



Development and Construction

Design and create a Breakout Box. Your Breakout Box should incorporate the components listed below and should be constructed using everyday objects and materials from home. Please don't spend more than \$15 on additional materials. Clues should be geared toward your age group (i.e. 2nd graders write clues that 2nd graders should be able to solve; 9th graders create clues that their peers should be able to solve).

Minimum Components	K-2 nd	3 rd -5 th	6 th -8 th	9 th -12 th
Number of Clues	3	4	5	6
Locks	2	4	5	6
Different types of locks	2	2	3	3

Safety

The safety of all team members and participants should be the first priority. **The use of fire, dry ice, fog machine, non-household chemicals of any kind, or any other hazardous materials in the creation or testing of your Breakout Box is strictly prohibited.**

Presentation and Journal

Each team must document the development and construction process in a journal. This can be done in a variety of ways – PowerPoint slideshow, photo display, video diary, notebook... it's up to you! Just be sure it lists your materials and explains each stage of the design, construction and testing process.

Teams will have 5 minutes to present their Breakout Box to the judges and answer any questions they might have. Creativity in the journal and presentation is **strongly** encouraged, and points will be awarded for creativity. Have fun!

Demonstration and Functionality

Each Breakout Box will be solved by 2 sets of judges:

- 1) Judge team
- 2) Select members of other Design Challenge teams.

On-Site Challenge

Once the Breakout Box is judged, teams will proceed to the challenge rooms to test their puzzle solving skills to complete the Escape Room Challenge.

DESIGN CHALLENGE REGISTRATION FORM



Each team should fill out this form and return it via email or regular mail to the Washington Pavilion by April 6, 2020. Please print or type.

**All confirmations and correspondence will be done via email, so please be sure to include them below.*

Team Info

Team Name: _____

Age Category: K-2nd 3rd-5th 6th-8th 9th-12th

Individual Team Members (2-5 permitted)

1. Name: _____ Grade: _____ Age: _____

Parent Name: _____ Parent Email: _____

2. Name: _____ Grade: _____ Age: _____

Parent Name: _____ Parent Email: _____

3. Name: _____ Grade: _____ Age: _____

Parent Name: _____ Parent Email: _____

4. Name: _____ Grade: _____ Age: _____

Parent Name: _____ Parent Email: _____

5. Name: _____ Grade: _____ Age: _____

Parent Name: _____ Parent Email: _____

Adult Team Leader Info

Name: _____

Email: _____

Phone Number (for day of event): _____

City: _____ State: _____

Media: Please note that unless otherwise indicated, the Washington Pavilion of Arts and Science may use names and photographs of students at the Design Challenge event for future publications, promotional materials (print and online) or educational materials. Please contact us if you have questions or concerns.

See you Saturday, April 18, 2020 at the Washington Pavilion!

Return Form

Email LJones@washingtonpavilion.org
Mail Washington Pavilion · Attn: Lynne Jones
301 S. Main Ave. | Sioux Falls, SD 57104
Deadline April 6, 2020

Questions?

Contact us at 605-731-2374 or
LJones@washingtonpavilion.org

