

MAIN BUILDING (GOLDEN DOME)

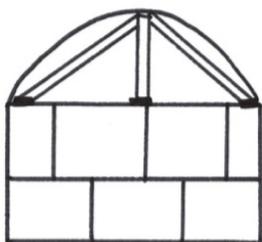
COMPLETED IN 1879



The Golden Dome Building is a recognizable building on Notre Dame's campus.

- **Goal:** Your task is to create a building that has a dome top.
- **Think About Your Structure:** Try to make the dome as sturdy as possible! Start with a solid base that will support the dome.
- **Hint:** Do you really want to up the ante? Create a dome out of rolled up newspaper that you are able to crawl inside. Materials you would need are old newspapers, masking tape and scissors.
- **Now What?** Why would a dome be beneficial for a building? What is added to the structure from the dome?

- blocks
- straws
- tape
- tissue paper



Kid Architect's sketch

Draw your sketch here

WEST BADEN SPRINGS HOTEL

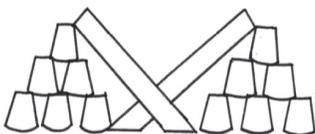
COMPLETED IN 1902, RENOVATED IN 2001



West Baden Springs Hotel is one of the oldest hotels still open in Indiana. A rail line connects the West Baden Springs Hotel and the French Lick Hotel so patrons can travel back and forth between the two.

- **Goal:** Your task is to create two buildings (one representing each of the hotels) and design another way to get people from one hotel to the other besides the current rail line.
- **Think About Your Structure:** Will this be a practical way for people to get from one building to another?
- **Hint:** Be creative! Will your mode of transportation be something that already exists—car, shuttle, train? Or will you create something unique to your two hotels? As long as it gets people from one hotel to the other, you can design and build it!
- **Now What?** Is your way to transport people something fun and innovative? Will people want to use it or will they prefer another way to travel?

- cups
- cardboard
- scissors
- tape



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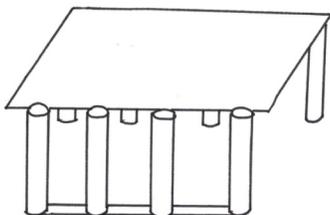
BOONE COUNTY COURTHOUSE

COMPLETED IN 1911

The Boone County Courthouse features Ionic columns. You can tell they are ionic columns because of the curvy design on the top. Columns are important because it adds support to the structure.

- **Goal:** Create a structure that uses columns to support some of the weight.
- **Think About Your Structure:** How many columns will you use? Will the columns be tall and skinny or short and wide?
- **Hint:** Typically a column supports weight without adding a wall. This could be an overhang or porch that needs weight supported.
- **Now What?** Were the columns needed to support the weight of your structure? If so, what other ways could you have supported that weight rather than using columns?

- paper towel roll
- cardstock
- Legos
- tape



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LERNER THEATER

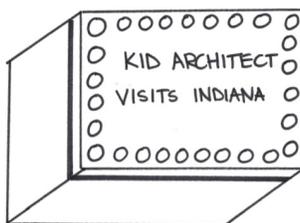
COMPLETED IN 1924, RENOVATED IN 2011



The Lerner Theater is one of many theaters that has a marquee on the outside. A marquee is often placed over the entrance to a theater. It typically has signage stating the play or movie and the artist appearing at the venue.

- **Goal:** Create a marquee for a theater.
- **Think About Your Structure:** What will your marquee be advertising? It could advertise your favorite band or show. Once you know what it will show, you can start to be creative and design the sign!
- **Hint:** Think about how this will look on the outside of a building. Will it catch people's attention as they walk by?
- **Now What?** What part of your marquee draws people to take a look at it? Do you think it would help drive people to see the show or hear the music?

- shoe box
- play doh
- markers



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SAMARA

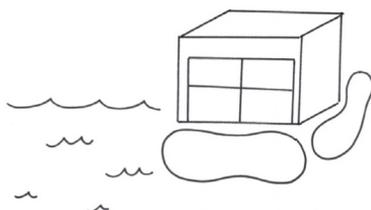
COMPLETED IN 1956



SAMARA features Usonian Style, which integrates the house with nature.

- **Goal:** Create a house that highlights the nature it surrounds.
- **Think About Your Structure:** Will your house be located in the mountains, by the beach or in a forest? Whichever you choose, think about what parts of nature you want to include in the house or highlight from the house.
- **Hint:** Start with building a basic structure for the house then add in your favorite parts of nature!
- **Now What?** Can you highlight more aspects of the natural environment or did you include enough? Why would someone want to live in the house you designed?

- cardboard
- tape
- scissors
- tissue paper
- construction paper
- water



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EMENS AUDITORIUM & MUSIC COMPLEX

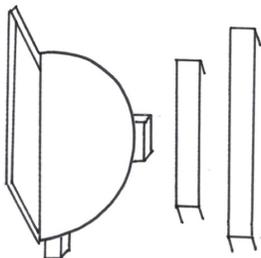
COMPLETED IN 1964



Emens Auditorium and Music Hall is at the heart of Ball State's Campus and is used for audiences to view live performances.

- **Goal:** Your task is to create an auditorium.
- **Think About Your Structure:** What are the important parts of an auditorium? Sound, view of the performance, lighting? How can you achieve those important factors that an audience is looking for in an auditorium?
- **Hint:** Start with which aspect you think is the most important? If the view is the most important, how will you make sure everyone can see the performance? Will the seats be on an incline like they are in a movie theater or is there another way to achieve a great view?
- **Now What?** Would you want to see a live performance at your auditorium, why or why not?

- cardboard
- straws
- tape
- blocks



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THE REPUBLIC BUILDING

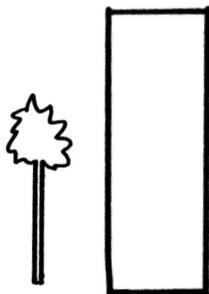
COMPLETED IN 1911, REPURPOSED IN 2018



The Republic Building's landscape is recognized for the allée of trees. An allée of trees is a row of trees that are side by side and line up exactly.

- **Goal:** Your task is to create an allée of trees.
- **Think About Your Structure:** How will you make sure that your trees are lined up exactly?
- **Hint:** Use a ruler or edge of a box to help create a straight line to start your allée of trees.
- **Now What?** What are the benefits of having an allée of trees in the landscape of a building?

• Cardboard Box for reference



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SIMON SKJODT ASSEMBLY HALL

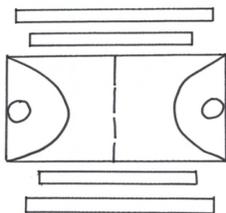
COMPLETED IN 1971



Simon Skjodt Assembly Hall is the home of the Indiana University Basketball Team.

- **Goal:** Your task is to design a basketball court.
- **Think About Your Structure:** What must be included in a basketball court? Two basketball goals, a floor, seating for the team and spectators—just to name a few! What else can you think of that would be needed?
- **Hint:** Start with the basics first! Create your court, which will need to be flat since the players will be running up and down the court! Then, begin building the basketball goals and other important details.
- **Now What?** What was the hardest part of creating your basketball court? Is it a structure that you would actually play basketball on, why or why not?

- cardboard
- tape
- yarn
- paper plates
- blocks
- pipe cleaners



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ARTS UNITED CENTER

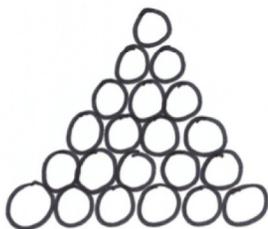
COMPLETED IN 1973



The Arts United Center is made up of simple geometric shapes—circles, triangles and arches.

- **Goal:** Your task is to design and create a structure out of only circles.
- **Think About Your Structure:** What material are you going to use to make the geometric shapes? Will you cut them out of cardboard or paper or will you get even more creative and design them out of a different material? The choice is yours!
- **Hint:** Create a strong base out of your geometric shape and build up from there!
- **Now What?** Try to create another structure out of different geometric shapes. What did you learn from your structure of circles that will help you build another structure?

- cardboard
- Scissors
- tape



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CHILDREN'S MUSEUM OF INDIANAPOLIS

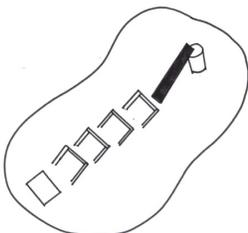
COMPLETED IN 1976



The Children's Museum of Indianapolis is the largest children's museum in the world and has hands-on exhibits. The Riley Children's Health Sports Legend Experience included lots of different sports experiences, including a miniature golf course.

- **Goal:** Your task is to create a miniature golf hole of your own.
- **Think About Your Structure:** Miniature golf holes have fun features and obstacles for golfers to navigate around on their way to the hole. What will you use to create your obstacles?
- **Hint:** Make sure your golf hole has a spot to tee off from and a hole as a final destination. The rest is up to you!
- **Now What?** What is your favorite part of the golf hole you designed? Was it difficult to design and create or did it flow easily?

- yarn
- cardboard
- toothpicks
- tape
- cup



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FALLS OF THE OHIO INTERPRETIVE CENTER

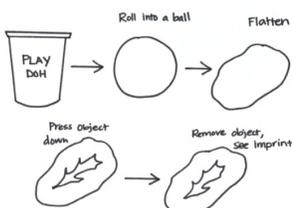
COMPLETED IN 1994



The Falls of the Ohio Interpretive Center is located near the fossil beds and Ohio River. Fossils are the remains or impressions of a prehistoric organism preserved or as a mold in rock.

- **Goal:** For this goal, I wanted to switch things up! Use playdoh or another type of similar material to create your own mold of a fossil. Since fossils are preserved outside, take a walk or hike and pick up some parts of nature (stems, leaves, rocks, etc). Create a flat surface with your Playdoh and push the piece of nature that you found down into the play-dough. Remove the piece and see what is left. This should be similar to what a fossils looks like.
 - **Think About Your Structure:** Is your impression easily recognizable? Why or why not?
 - **Hint:** Try pushing down with different weights to see if that changes the "fossil" that is left.
 - **Now What?** What was the easiest impression to make? Which was the hardest and why do you think it was?
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- Play doh
- Leaves, stems, rocks, twigs, etc.



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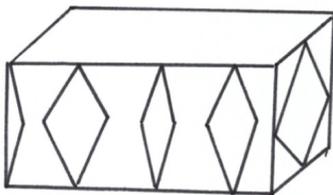
WHITE CHAPEL

COMPLETED IN 2001

The White Chapel can be recognized by the diamond-shaped stainless steel shingles that are silver in color.

- **Goal:** Create a structure that uses diamonds as one of the main shapes.
- **Think About Your Structure:** How will you get the diamonds? Will you cut the diamonds out of construction paper, draw them on your structure or create the diamonds with straws?
- **Hint:** Decide how you will or create your diamonds first. Then, just start creating and let your imagination take over!
- **Now What?** Were the diamond shapes easy or hard to work with? Would another shape have been better to add to your design? Why or why not?

- cardboard
- straws
- tape
- construction paper



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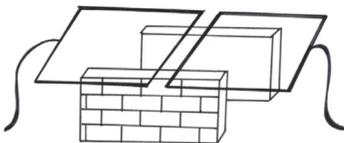
LUCAS OIL STADIUM

COMPLETED IN 2008

Lucas Oil Stadium is home to the Indianapolis Colts football team. Every home game is played at the stadium. One of its most well-known features is its retractable roof.

- **Goal:** Your task is to create a building with a retractable roof.
- **Think About Your Structure:** You will need to create a sturdy base before adding on the retractable roof.
- **Hint:** How will you get the roof to move? Will you use a pulley system or some kind of roller to move the roof? There are lots of ways to move the roof, so be creative!
- **Now What?** Think about how long it takes to move the roof. Is it an easy function or does it take a lot of time? Why would a retractable roof be beneficial for a building and its occupants?

- Legos
- cardboard
- tape
- string



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EVANSVILLE MUSEUM OF ARTS, HISTORY & SCIENCE

EYKAMP PAVILION ADDITION

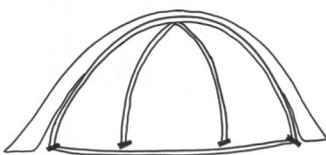
COMPLETED IN 1879



The Eykamp Pavilion addition features a unique acrylic glass dome theater.

- **Goal:** Create a dome theater of your own.
- **Think About Your Structure:** Think about the shape of the dome. Since the sides aren't flat, what material would be easier to work with?
- **Hint:** Start trying out different materials to build your dome. If something doesn't work easily with the dome shape, try a different material.
- **Now What?** Why would a dome theater be useful? Think about what could be displayed inside the dome and how people would react to it.

- pipe cleaners
- tape
- fabric piece



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WILMETH ACTIVE LEARNING CENTER

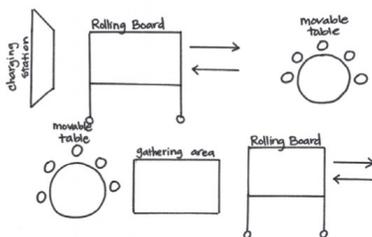
COMPLETED IN 2017



Wilmeth Active Learning Center provides students with a different kind of learning environment. Professors are not at the front of the class talking. Instead, students sit at tables and collaborate.

- **Goal:** Your task is to design a classroom where students are able to get up, move, interact with one another and work in groups.
- **Think About Your Structure:** What is need in a classroom? Will there be areas for students to gather and collaborate and sit? Are there tables, white boards, laptop stations, etc.
- **Hint:** Think about what you would like to see in a classroom to talk with your classmates and work together.
- **Now What?** Do you think more classrooms should look like this? Why or why not?

- cardboard
- playdoh
- scissors
- construction paper



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PUBLIC ART: "LOVE" SCULPTURE

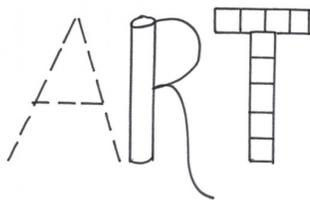
COMPLETED IN 1970



The "LOVE" sculpture is a sculpture that spells out the letters in the word love, L-O-V-E.

- **Goal:** Think of an important word in your life. Some examples could be family, friends, happiness. Use one word and create your own sculpture using those letters.
- **Think About Your Structure:** Will you use a formal lettering to design your sculpture or will it be handwritten?
- **Hint:** Make this sculpture meaningful to you!
- **Now What?** Where would you put this sculpture on display? Would you put it near a school or park or would you keep it closer to yourself and put it in your yard?

- paper towel roll
- ribbon
- blocks
- tooth picks



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PUBLIC ART: ENGINEERING FOUNTAIN

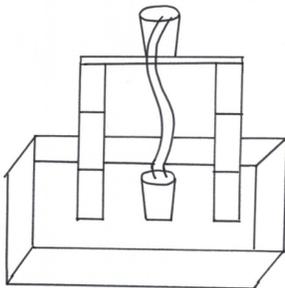
COMPLETED IN 1989



The Engineering Fountain was a gift from the Purdue Class of 1939. It features four vertical structures with a large jet of water spraying up through the center.

- **Goal:** Create a sculpture that involves water.
- **Think About Your Structure:** Will water be running down your sculpture like the Engineering Fountain or will you have water in a small pond or container within the structure?
- **Hint:** If you want to have water running down your sculpture, think about getting a cup of water to pour over that part of the sculpture. Take this activity outside if it is nice out or you could do it in a sink or bathtub so you don't make a mess!
- **Now What?** Was it easier or harder to make a sculpture that included water? Why do you think it was that way?

- plastic box
- blocks
- cups
- water



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PUBLIC ART: "CONVERGENCE"

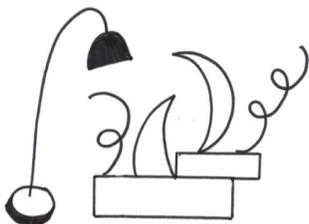
COMPLETED IN 2019



As one moves around Convergence, they never see the same view twice. This is because of the light and shadows.

- **Goal:** Create a sculpture that shows off the light and shadows of its form.
- **Think About Your Structure:** Start creating! Using lots of different materials and heights will add different shadows to your sculpture.
- **Hint:** You can always use a light nearby (or a bright window) to shine on your sculpture. This will allow you to see how the light creates shadows and bright points.
- **Now What?** Did you like how the shadows looked when light was shined on your sculpture? If not, try changing just a few small parts of your structure and see if that makes a difference.

- lamp
- construction paper
- tape
- pipe cleaner
- blocks



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PUBLIC ART: "ROUNABOUT" ART

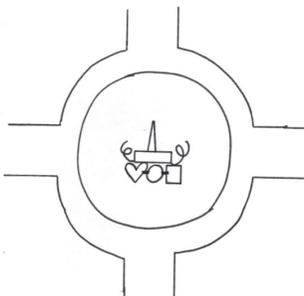
COMPLETED IN 2020



The public art located in the center of traffic roundabouts in Carmel are all so unique! There are fountains, abstract sculptures and fun and playful designs.

- **Goal:** Create your own art for the center of a traffic roundabout.
- **Think About Your Structure:** There is such a wide variety of types of art in the center of roundabouts that you should really let your imagination soar with this activity! Do you want something traditional or something funky and fun?
- **Hint:** Be as creative as you want but remember this is in the middle of a circle. Will that change the way you design your sculpture? Will your sculpture be tall and visible from far away or will it be modest and small?
- **Now What?** What do you think the residents of your area will think of your roundabout art? Will it be something they talk about and enjoy?

- construction paper
- scissors
- pipe cleaners
- tape
- play doh



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