

9,608
tons

Repair & Recreation
Ideas offered uses that would provide adaptive reuse strategies. Considered both practical solutions to support those in need and amusement and enjoyment in

Research
Visiting the Masonic Temple, the researchers used drones and scanning equipment to document the materials used in construction.

Community
Measuring the building and its materials, students came up with adaptive reuses that build community and utilize existing building materials.

5K
pieces of steel
10K
pieces of lumber
2K
plaster boards

Analyze
Utilizing ScanR, researchers produced an estimate of the building's total material quantity to highlight the embodied carbon content and waste if the building was demolished.

Create
Drawing from lessons of deconstruction and adaptive reuse, the researchers created scenarios that responded to the disuse and waste of building material in their community.

Numbers and metrics are estimates which have yet to be verified, but they help to illustrate the severity of our waste problem!

51K
stones
1.4 million
bricks
455
concrete blocks

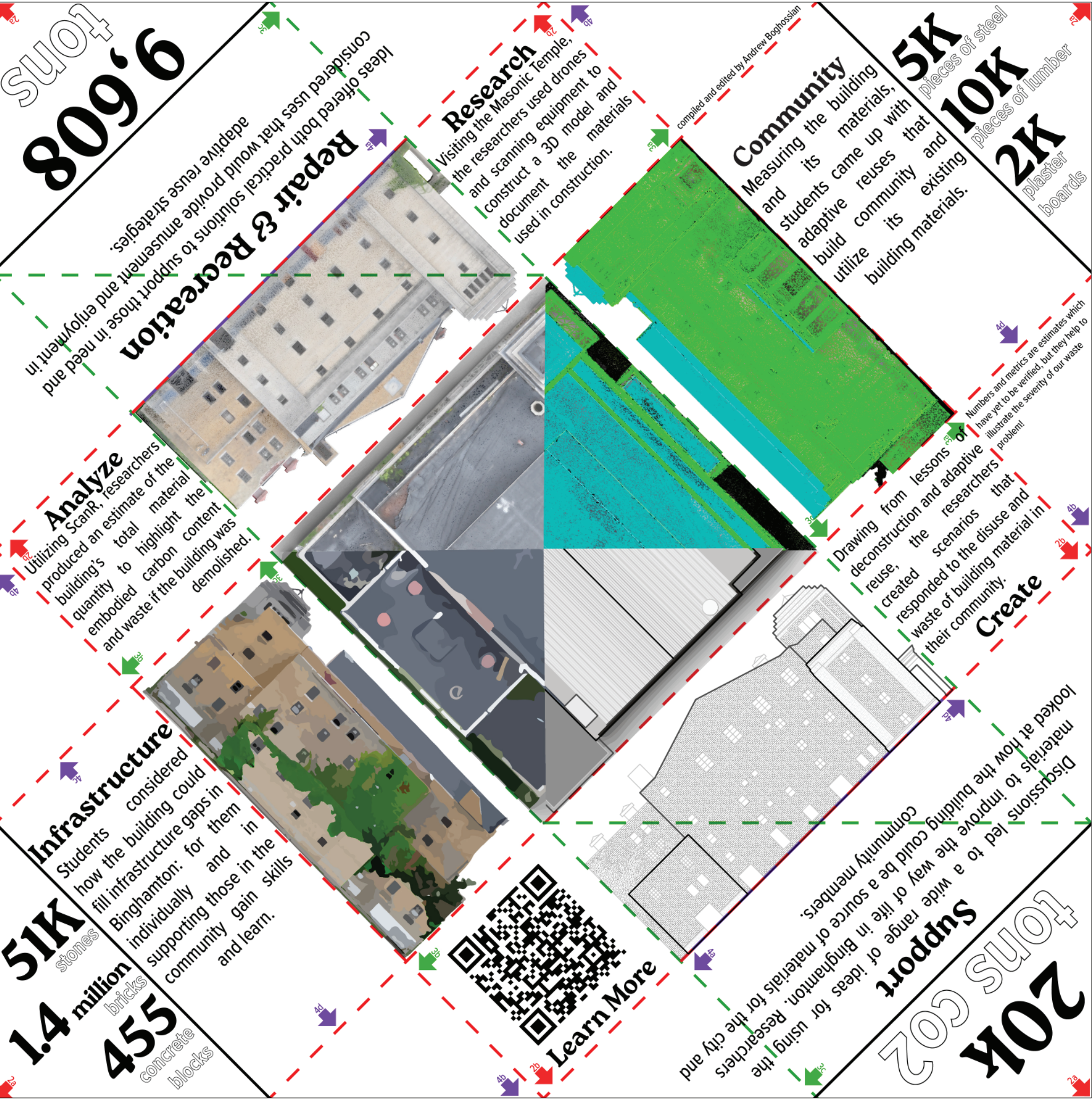
Infrastructure
Students considered how the building could fill infrastructure gaps in Binghamton: for them individually and in supporting those in the community gain skills and learn.



Learn More

Discussions led to a wide range of ideas for using the materials to improve the way of life in Binghamton. Researchers looked at how the building could be a source of materials for the city and community members.

Support
20K
tons CO2



the students imagined future uses of the Masonic Temple and its

building materials. Instead of littering a landfill, the students devised

uses that directly benefit the community.

Make sure to follow the folding instructions to make your own model of the Masonic Temple. It soon may be the only thing that remains!

Empowered with data and local knowledge of Binghamton's needs,

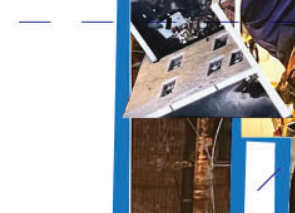
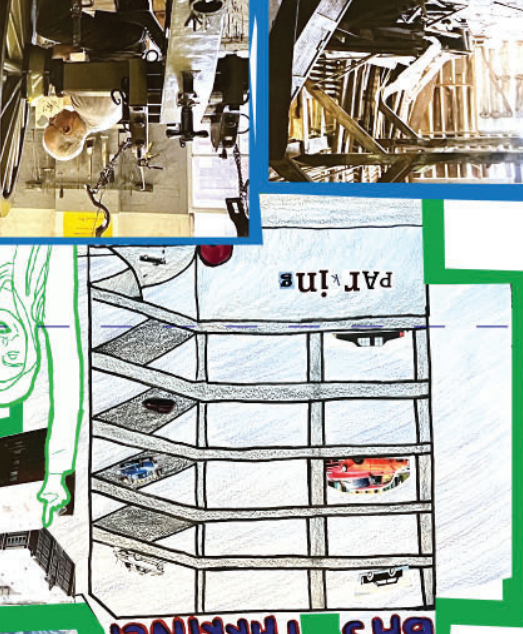
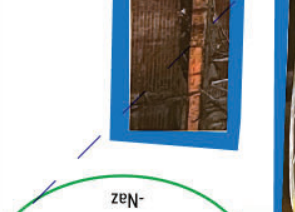
We should use the materials to house the homeless or repair existing houses. If not, the Temple could be a waterpark!



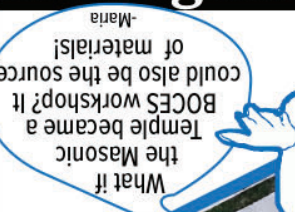
BHS PARKINGS



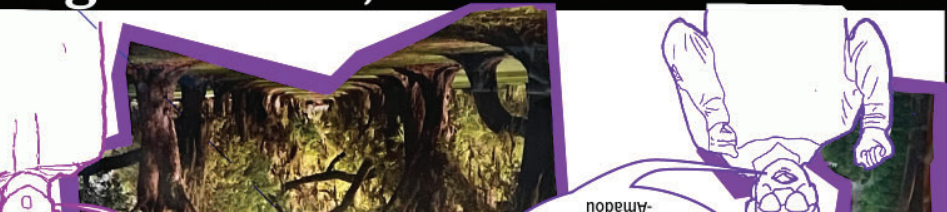
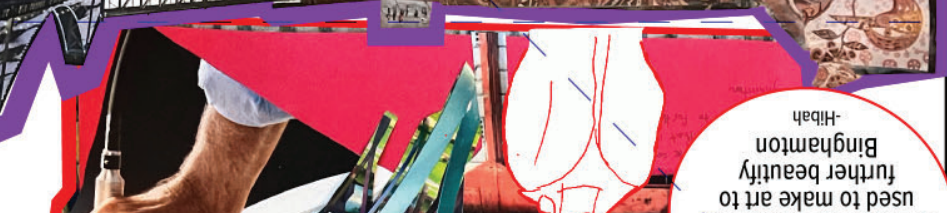
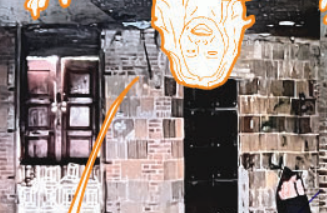
Binghamton High School doesn't have enough parking! Could it be reused as a parking structure?



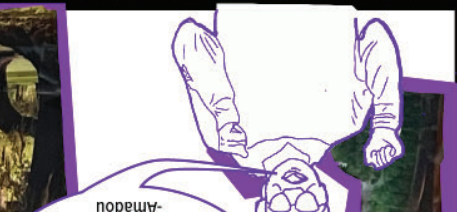
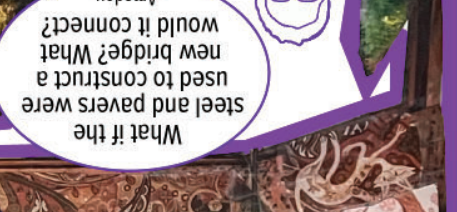
What if the Masonic Temple became a BOCES workshop? It could also be the source of materials!



The building could house a community skatepark. Its I-Beams and concrete blocks can be reused as different features.



The Masonic Temple contains a wide variety of materials that can be used to make art to further beautify Binghamton



What if the steel and pavers were used to construct a new bridge? What would it connect?

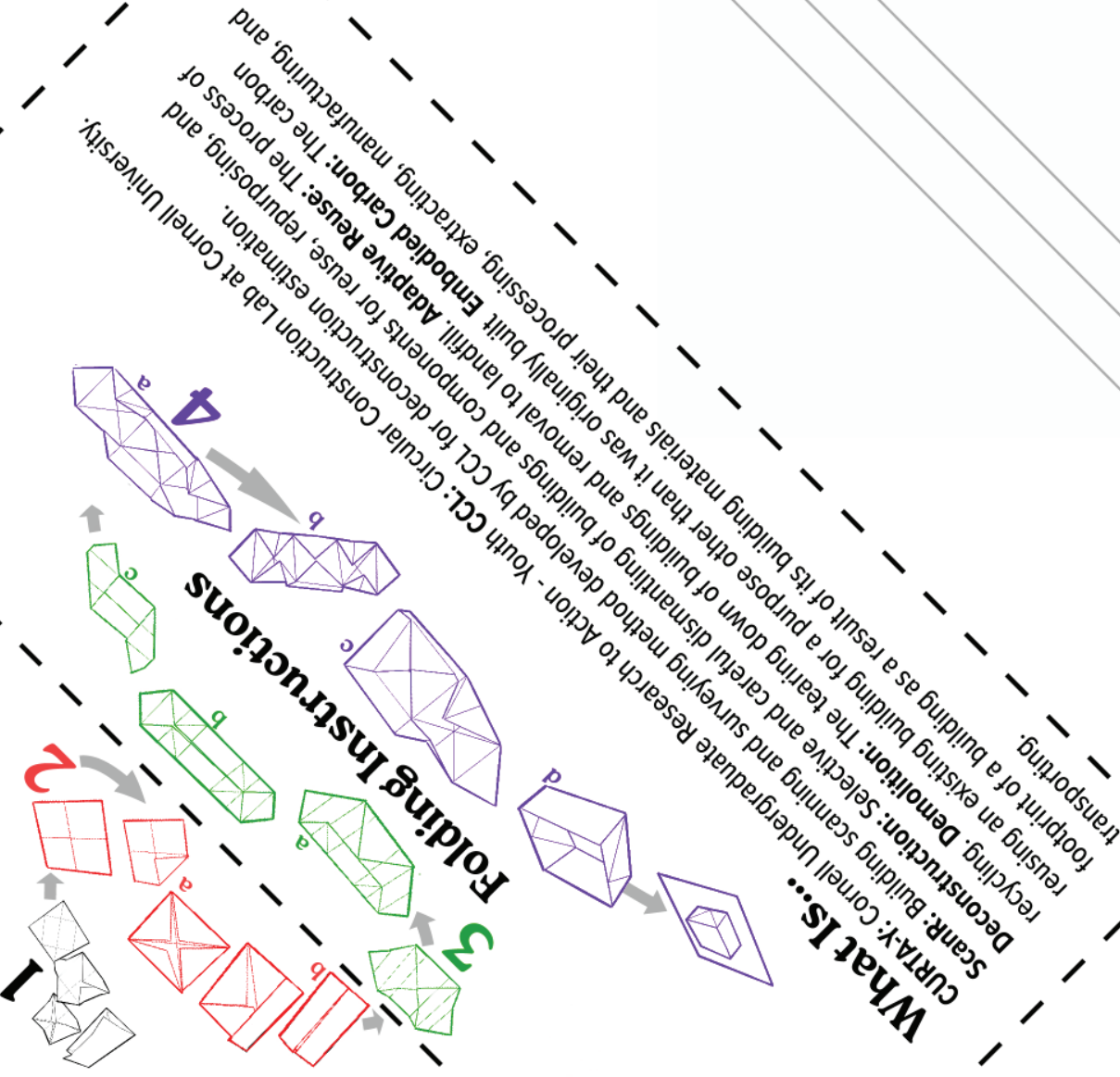
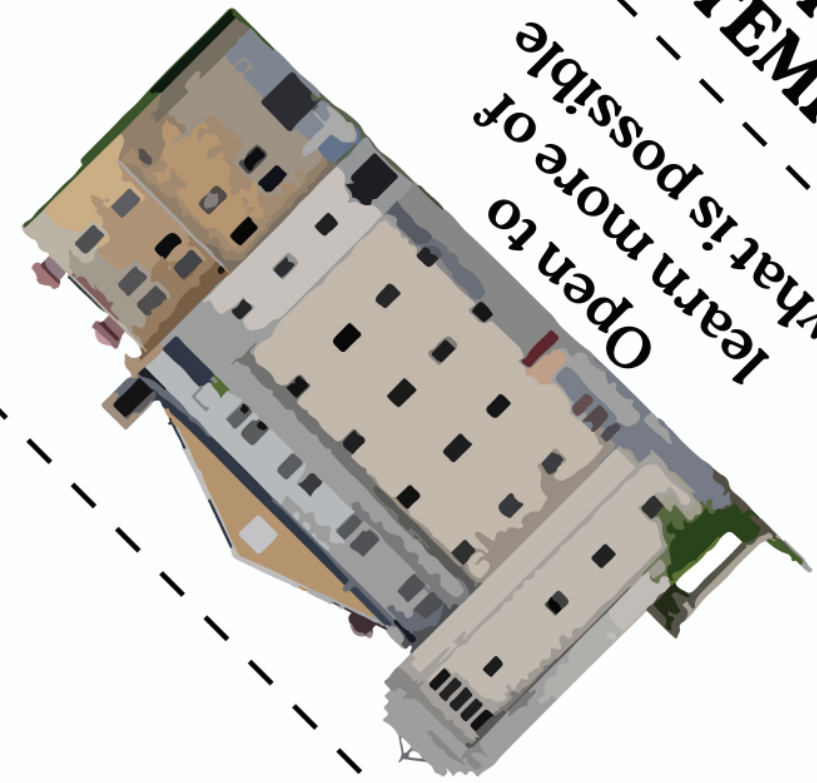


What if the steel and pavers were used to construct a new bridge? What would it connect?



The Project
 The project was developed through a series of workshops aided with advancing research tools. Student researchers conducted site surveys, performed building material and environmental impact estimations, and discussed methods of redeveloping the site. This has been compiled into this information booklet which also can be folded into a model of the Masonic Temple.

SAVE THE TEMPLE
 Learn more of what is possible
 Open to



Place Stamp Here

An Icon
 Built in 1922, The Binghamton, NY Masonic Temple was the meeting house of the local Masonic organization. In recent years it has stood vacant with countless owners and proposals failing to realize projects.

Our Vision
 Focused on bottom-up research and design, this project shares the concepts from local students and researchers in how buildings can be reclaimed and repurposed to support new community functions.

