

## LEGO DESIGN CHALLENGE

Boston (and many other places around the world!) are experiencing rising sea levels due to climate change. How do architects and landscape architects design for this challenge? Your task is to create a new place or space for our city that will allow for the water to come in and go out. Use **LEGO bricks** to create a model of your solution.

### HOW DO WE DESIGN FOR THE RISING WATERS?



## DESIGN PROCESS

THE DESIGN PROCESS HELPS US TO THINK ABOUT THE WHO, WHAT, AND WHY WE ARE DESIGNING FOR BEFORE BUILDING A SOLUTION TO THE DESIGN CHALLENGE.



ASK



LEARN



BRAINSTORM



BUILD



IMPROVE



SHARE



## ASK

To understand how to design a place or space that accomodates the rising waters, it helps to **talk** through your ideas.



Use the **5 Ws** to help guide you:

- **WHO** WILL USE YOUR DESIGN?  
*Make sure to list ALL the users of your space.*
- **WHERE** WOULD YOUR DESIGN HELP THE MOST?  
*Which neighborhood is most threatened with sea level rise?*
- **WHAT** COULD IT BE USED FOR?
- **WHEN** WOULD YOUR SPACE BE USED?  
*Just during flooding or all the time?*
- **WHY** DOES YOUR DESIGN HELP?  
*How does your design accommodate rising water?*



## LEARN

See how others have solved similar problems at **[bostonlivingwithwater.org](https://bostonlivingwithwater.org)**



## BRAINSTORM

Write or draw as many **ideas** as you can think of on a blank sheet of paper.



## BUILD

Use your **drawing** to help guide you in **building your model** with **LEGO bricks**.



## IMPROVE

Check back in with your design process. Does your design meet all the requirements you described in the **ASK** phase? If not, make improvements.



## SHARE

Take pictures of your design share it with your family and the world. Have an adult post to twitter/Instagram to **@BSAAIA**