

→ SPAGHETTI BRIDGE ←



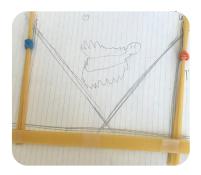
We'll need engineers to help build the world of tomorrow. From bridges to buildings and from homes to entire cities, engineers understand what it takes to build something that lasts. Can you do the same?

WHAT YOU'LL NEED:

- Pencil
- Paper
- Uncooked Spaghetti Noodles
- Rubber Bands or Hair Ties
- Scissors
- Clear Tape
- Small Weights (like coins or disc magnets)

WHAT YOU'LL DO:

- When building anything, the first step should always be to come up with a plan. With the help of a parent or other grownup, find images online of different types of bridges.
- 2. Using your pencil and paper, draw what you want your bridge to look like. Make sure your drawing is the same size as the bridge you want to build considering the length of the spaghetti noodles that you will be using. (Tip: You can use a ruler to measure and keep your lines straight.)
- 3. Grab a bundle of spaghetti noodles, and wrap a rubber band or hair tie around the noodles to hold them together. Make a bundle for each piece of your bridge. (Tip: The more noodles you use in a bundle, the more weight your bridge will support; but keep in mind you'll need to cut them in the next step.)





- 4. Using your drawing as a guide, measure and cut each bundle of spaghetti noodles to the size you want. Be sure to ask a grownup to help you cut the bundles of spaghetti.
- 5. Once your bundles have been cut to the right size, lay them down on top of your drawing. This will help you put the bundles in the right spot when building your bridge.
- 6. Wherever two bundles come together to form a joint, use tape to hold them in place. Once taped, these joints should be hard to bend or move. Make sure that you use enough tape to support your bridge.
- 7. Once all bundles have been taped together, it's time to put your bridge to the test. Lay it across two flat surfaces of equal height. These can be two stacks of books or two chairs.
- 8. Little by little, place small weights on your bridge to see how much weight it can hold before breaking. (Tip: If you don't have coins or disc magnets, you can use refrigerator magnets or plastic baggies filled with dried rice.)

Write down your results:

- How much weight did your bridge support?
- What can you do next time to make it even stronger?

This experiment is brought to you by the Texas Tuition Promise Fund® and the Texas College Savings Plan®. Visit SaveNowForCollege.org to discover two great ways to start saving for a child's higher education and find more fun and futuristic activities.

→ MEET YOUR FUTURE ←



800-445-GRAD (option #5)



800-445-GRAD (option #3)

SaveNowForCollege.org

Two great plans, one bright future.

Purchasers should carefully consider the investment objectives, risks, administrative fees, service and other charges and expenses associated with the Plans, including plan termination and decreased transfer or refund value. The Plan Descriptions and Agreements contain this and other information about the Plans and may be obtained by visiting texascollegesavings.com or texastuitionpromisefund.com or calling 800-445-GRAD (4723), option #3 for the Texas College Savings Plan® and option #5 for the Texas Tuition Promise Fund®. Please read these documents carefully before purchasing.

Neither a Texas Tuition Promise Fund contract nor any return paid with a refund is insured or guaranteed. The contracts have not been registered with the U.S. Securities and Exchange Commission or with any state. No part of a Texas College Savings Plan account, the principal invested, nor any investment return is insured or guaranteed. An account might not make money and could lose money (including the principal invested) if money is invested in the Texas College Savings Plan. Interests in the Texas College Savings Plan have not been registered with the U.S. Securities and Exchange Commission or with any state and are not deposits or other obligations of any depository institution. As stated in the current Plan Description and Savings Trust Agreement for the Texas College Savings Plan, total fees for the Texas College Savings Plan portfolios range from 0.60% to 1.00%. Fees are subject to change.

The Texas College Savings Plan and the Texas Tuition Promise Fund are established and maintained by the Texas Prepaid Higher Education Tuition Board and are distributed by Northern Lights Distributors, LLC, member FINRA, SIPC. NorthStar Financial Services Group, LLC, is the Plan manager and administrator of the Plans. NorthStar Financial Services Group, LLC, is not affiliated with Northern Lights Distributors, LLC.

Non-residents of Texas should consider whether their home state offers its residents a 529 plan with advantages that are only available to participants in that state's plan (ex. tax, financial aid, scholarship funds, protection from creditors or other benefits).