

Byte-Sized Brain Break

Family Activity

Follow this algorithm to make your own word search! Make a grid that is at least 20 long and 15 wide. Make a list of words you'd like to include in your word search on another piece of paper. Then, for each word, write out the word in the grid putting one letter in each box. Words can overlap! Then fill in the empty squares with random letters. Lastly, get someone in your family to complete your word search!

Share with us using the hashtag **#wecanjam**



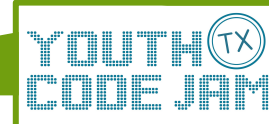
youthcodejam.org
f t i y

Byte-Sized Brain Break

Family Activity

Plan a spelling bee for your family. You can draw out the flow of the spelling bee on paper using things like if statements and loops. Which things tend to be repeated in a spelling bee? Where can you represent two possible outcomes with an if statement? Come up with a list of hard words and use your plan to host your very own spelling bee!

Share with us using the hashtag **#wecanjam**



youthcodejam.org
f t i y

© 2020 Youth Code Jam

Byte-Sized Brain Break

Family Activity

A good programming team needs perseverance (the ability to not give up), good listening skills, and creativity. Then again, most teams need these things! What other character traits make a good team? Make medals, ribbons, or trophies for each trait and have an award ceremony with your family. Give each person the award that suits them best and be sure thank them for all they do!

Share with us using the hashtag **#wecanjam**



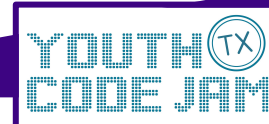
youthcodejam.org
f t i y

Byte-Sized Brain Break

Family Activity

In coding, "final" values are things that don't change, like the number of hours in a day. Variables, on the other hand, can change. Your age and the weather might be variables because those things change. If you made a program about your family, what sorts of things might be final values, and which would be variables? In other words, which things in or about your family change and which stay the same?

Share with us using the hashtag **#wecanjam**



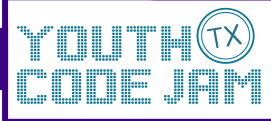
youthcodejam.org
f t i y

Byte-Sized Brain Break

Family Activity

Having a good password is important for keeping your information safe. Good passwords have both numbers and letters in them. Change one of your online passwords to something with both numbers and letters, and encourage your family to do the same. Make sure to choose something memorable that you won't forget later!

Share with us using the hashtag **#wecanjam**



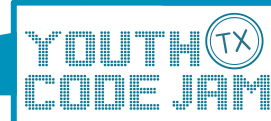
youthcodejam.org
f t i y

Byte-Sized Brain Break

Family Activity

Cameras on our computers and tablets should be covered when not in use- this helps protect our privacy. Get your family together and cover up the device cameras in your house with paper tape or other sticky, removable substance (make sure to ask an adult first!)

Share with us using the hashtag **#wecanjam**



youthcodejam.org
f t i y

Byte-Sized Brain Break

Family Activity

One way to determine the complexity of a program is to count the number of steps it takes. Think of each step like a task: folding clothes, eating dinner, and drawing are a few examples. Observe someone in your family to see how many "steps" they take every day. Who in your family does the most tasks or steps?

Share with us using the hashtag **#wecanjam**

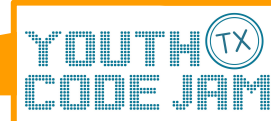


youthcodejam.org
f t i y

Byte-Sized Brain Break

Family Activity

Create your own coding-inspired activity!
Share with us using the hashtag **#wecanjam**



youthcodejam.org
f t i y