

# the Daily STEM

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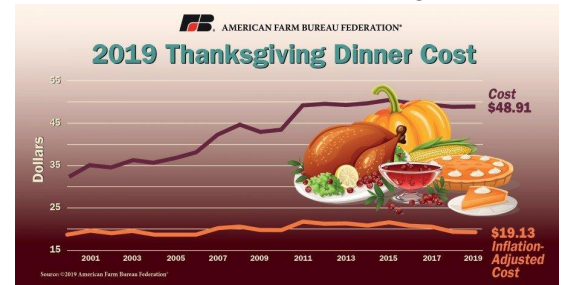
## STEM in the News

Do you have a dog at home? People try to estimate a dog's "age" by multiplying their age in years by seven. So a dog that's 10 years old is about 70 years old in human years. Scientists have decided that formula is not very accurate. The researchers studied 104 Labradors from puppies to 16 year-olds. They compared the chemical changes in the dog cells to human cells. What they found was that dogs age quickly at first (50 human years in 3 years), but slow down after that. Scientists think this information can help veterinarians know when to look for diseases. Do you think big dogs and small dogs age at the same speed? To learn more or find your dog's approximate age: [bit.ly/2qGPW6u](http://bit.ly/2qGPW6u)



## STEM + Dinner

On the 4th Thursday in November, the United States celebrates Thanksgiving. Very simply, it's a day to give thanks. About 90% of the country celebrates with a special meal, and 95% choose turkey for their table. Each year, Farm Bureau calculates the average price of a complete Thanksgiving dinner. This year's cost is \$48.91 for a meal for 10 people. But did you ever think about where your food comes from? Farmers and ranchers help to grow and raise the food on your table. Would it surprise you that for every \$1 you spend on food, 8¢ goes to the people who grow the food? What would be the most difficult part of raising food? What are you most thankful for this year?



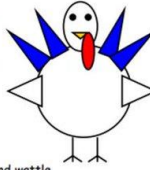
To learn more: [bit.ly/2rpgadS](http://bit.ly/2rpgadS)

## STEM Challenge

Games are fun to play with friends and family. Some games determine how far to move on the board with dice. Some games, like Yahtzee or Farkle, use the dice to get points. Here's a simple game to play with dice. The goal is to be the first player to draw a turkey. Each number you roll draws a different part of the turkey. The turkey is finished when it has a body, head, 2 wings, 2 feet, a face, and 4 tail feathers. What other types of animals or objects could you draw by rolling dice?

Roll - A - Turkey

○	□	Draw a head.
○	□	Draw a body.
△	□	Draw 1 wing.
▽	□	Draw 1 foot.
●	□	Draw a face and wattle.
▲	□	Draw 1 feather.



## The Puzzle

If eggs cost \$0.12 per dozen, how many eggs can you get for \$1.00?

Last week's answer: Putting the 13 in the center box with 1 & 10 one way and 4 & 7 the other way makes the largest sums total 24.

## The Great Thanksgiving Listen

Do you have a relative with an amazing story? Story Corps believes that everyone has a great story to tell. And those stories need to be shared. The Great Thanksgiving Listen is a challenge to have students "create an oral history of the United States by recording an interview with an elder, mentor, friend, or someone they admire." They provide a free app to record the interview. You can even download a placemat with questions to ask in your interview, or they have suggestions to make your own questions. Find more information at: [bit.ly/2QOom1I](http://bit.ly/2QOom1I)



## Mystery Photo

What's under the microscope?  
(answer next week)

Last week's answer:  
Rice

