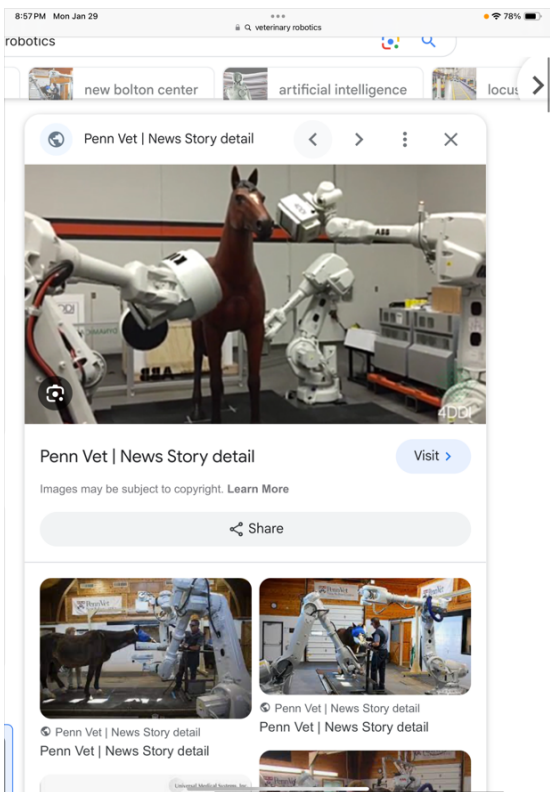


My name is Evie Leavitt and i'm part of 821B robotics team at Ed White Elementary . I chose veterinary robotics because I love animals and robotics and why not combine both and I want to make some futuristic vets, supplies or robots get rid of cancer or close up a wound or remove anything like a tumor with just a laser.





The resources that I found were sites from the Internet and many places or companies and vet clinics that inspire me to do veterinarian robotics. Their engineering design

process was to ask how can I make a robot that can do surgery on a horse easily. There would be a drawing or a picture of the robot that they would want to design and then they would plan it out, build it and test it. It makes sure it was secured to see if they had to make any changes and in the end it would work.

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veterinary robotic surgery for horses


 NASA Spinoff < > ⋮ ✕



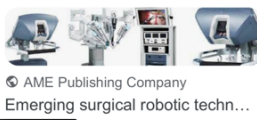
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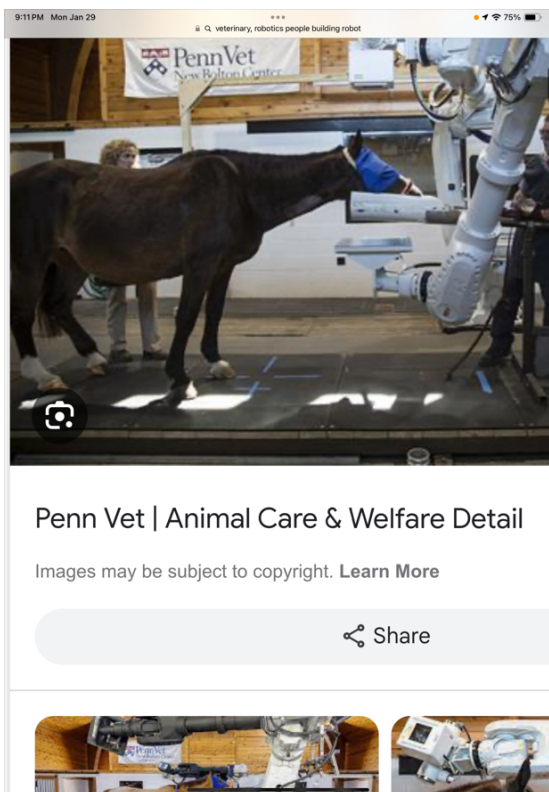
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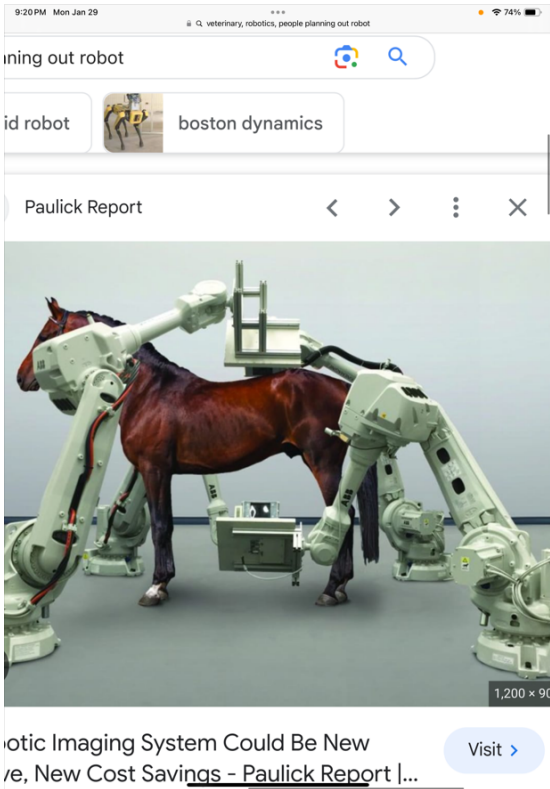
The company applies steps to their engineering design process by doing their ask which is, how can we make a good robot for animals? Then they would make sure they looked correct and it would most likely work. Then they would plan it out as best as they could then they would build it, test it and see if it would work properly. If it didn't work properly, they would rebuild it and test it again and if that didn't

work just rebuild and tested again
rebuild and test it again and then,
when they got their final piece
done, they would finally test it and
then if it worked, they would start
using it.



My team and a veterinary team
engineering design process would
be different because their ask
would be, how can I make a good
robot to do surgery on a horse? My
team would be how could we make
a good robot to qualify for worlds
veterinary teams? I Imagine it would
be a tall robot that would have
surgical blades or I could hold stuff
maybe and then imagine my team
would be a robot that could pick up
blocks for this year's competition or
challenge and the veterinary teams
plan would be about a very large
robot and what it could do and then

my teams plan would be, what could our robot do and what we need to test, so would the veterinary robots also and then our build process was much easier we used plastic pieces and all we had to do was to put it together while the veterinary teams build in process would be they would have to build a very big robot with a large amount of wires and it would be made completely out of metal. They would have to weld and bolt things in why my team would just have to be one and done. If our test failed, it would be much easier to redesign but for the vets it would be much harder because they would've lost all their hard work for the huge robots and it would not work and it would be really hard to take apart. My teams take apart would be really easy. You just have to take the pegs off and then you would be done.



Participation in robotics vex IQ, prepared me for the future by getting me an early start on building robots and coding so it would prepare me to be a vet/engineer so I could make futuristic robots for many different types of diseases. I might be able to make one that can get rid of a disorder , and being in vex IQ robotics just prepares me for that future and it would prepare me for many things to come.

people working on horse robotics



simulator



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veterinary



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