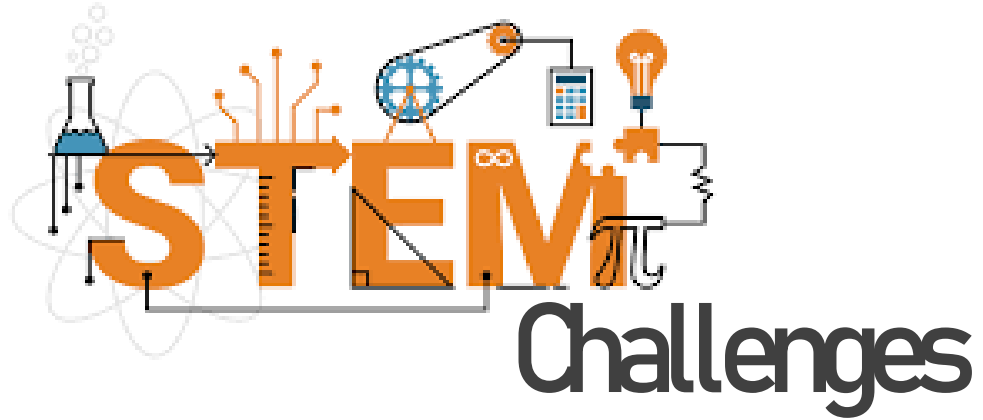


THE JCB ACADEMY



What's it like at the JCB Academy?

<https://jcb-academy.com/>



The Carrot Top Challenge!

Your challenge is to grow the biggest carrot top leaves or even to get the carrot top to flower! Follow the instructions below to set up your experiment then send us a photo of your tallest top or best flowers!



Cut the top from a supermarket carrot. You'll need about one inch (2.5 cm.) of the root. Stick a toothpick into either side of the carrot stump and balance it on top of a small glass. Use an old juice glass or plastic cup for this since you might end up with mineral stains. Fill the glass with water up to and barely touching the bottom edge of the stump. Set the glass in a light, but not sunny window. Add water to keep it touching the edge and watch the roots sprout. You're growing carrots from carrots in a glass!

The Carrot Top Challenge!

Go even further!



Now you have successfully grown carrot tops see if you can find out what conditions make them grow better than others. Things you could investigate:

- Try comparing tops left in the dark with tops in the window
- Try comparing carrots tops grown in different windows – place a carrot tops facing different directions (north, south, east and west).
- Try varying the amount of carrot – use 1cm, 2cm, 3cm, 4cm and 5cm of carrot to see if having more carrot makes the top grow quicker or taller

We'd love to hear the different investigations you have tried!

STEM Challenge

What's next?

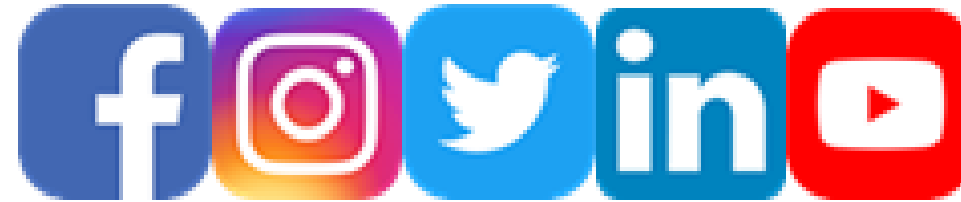
- **Share your achievements**
 - Send pictures or videos of your activities to us. Make sure its clear what school you are from.

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Please let us know if you are **not** happy with us sharing your images on our own social media forums and website.

- **Try some more Challenges from our website!**