

# Children's University Club Challenge: Camera Tricks!



**ESSEX**  
**2020**  
A YEAR OF  
SCIENCE +  
CREATIVITY

Want to play some tricks on your friends and family? Then why not have a go at this challenge? All you need is a camera (one on a phone will do). This type of photo is called 'forced perspective' and it's your eyes tricking your brain into believing the image is real. But with a little clever thinking, a little patience to get the right position, you can get really creative and take some fantastic trick photos!

## You will need:

- A camera (one on a phone will be OK)
- Another person/people
- Any objects you might need

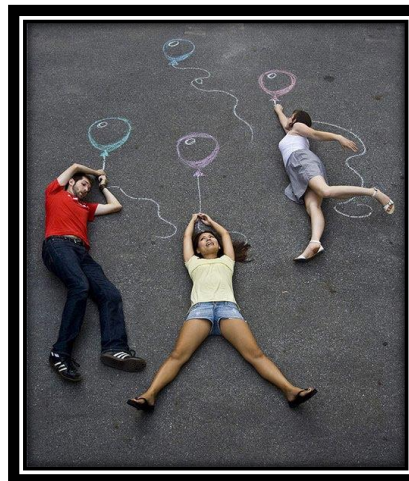
**Step 1:** Look at the photos or search 'forced perspective photos' on the internet. Try and work out how the photo was created. Sometimes, it's people lying on the floor. Sometimes, it's people standing much further away as this makes them look smaller. Think about the photo you'd like to create.



**Step 2:** Start with a simpler one. Ask a family member to walk a distance away from you so they look smaller. You stand nearer to the camera and hold your hand out flat and ask another person (who will take the photo) to guide you so that your hand looks like it's holding the 'smaller' person. You might need to take a little time moving around right position. Don't worry if it doesn't work the first time - practice makes perfect!

**Step 3:** you can 'holding' you try

building for example? Could you 'blow' the end of a rainbow? You could even use the top of a bottle for example! You could be trapped in a jam-jar!



Now you've got the hang of it, really get creative. Instead of something on your hand, could 'picking something up', like a tall some clouds? Could you 'hold' some props, and 'balance' on make it look like little people are



**Step 4:** Try a different type of 'forced perspective' where you lay on the floor. You can use chalk to draw the rest of the scene, such as holding balloons, splashing in a puddle or having water poured from a great height. You could also try using material to help create your picture!



**1 CU Credit** for completing this challenge. To claim your credit please complete your CU Club Challenge Reflection Diary and return it to your school along with evidence of your work. Remember to add the Learning Stamp to your Digital Dashboard once you receive it.