



50



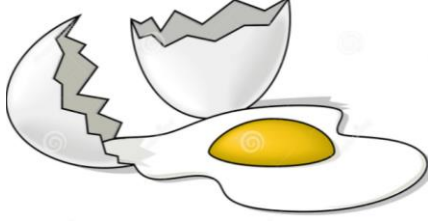
Super
Science

Things to do
before you're

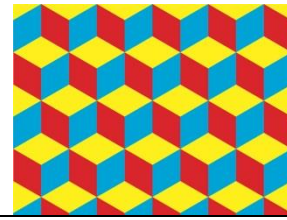
11 $\frac{3}{4}$

50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

Build a parachute to protect an egg falling from a height



Research optical illusions online or in some books from the library.



Clean some pennies with vinegar and research the chemical reaction that is occurring.



Design a test to discover what happens if you roll a full can of beans and an empty can down the same ramp.



Some people believe that when toast falls to the ground it is more likely to land butter side down... is this bad luck or is it true? Can you devise a test to find out?



Bend water with static electricity

<http://bit.ly/2iqrkJe>



Grow some salt crystals using salt, water, a paperclip and some string.

<http://bit.ly/2oqsl7U>



What is the best design for a paper aeroplane?

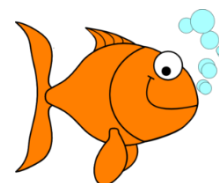
Can you devise a test to prove you have found it?



Grow a plant or some fruit/ vegetables

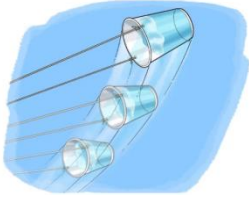


Go to your local pet shop and look at the exotic fish. Choose one to draw and then research five fantastic fishy facts about it!



50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

Can you swing a cup full of water above your head without getting wet?



<http://bit.ly/2oqvg03>

Make some bread dough and explore the effects of kneading it.



Build a junk model musical instrument and play a tune.



Go for a walk and collect natural objects that show which season it is.

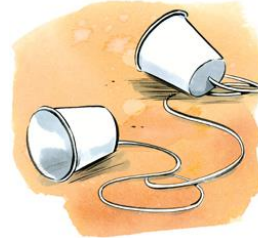


Can you make a cloud in a jar?



<http://bit.ly/2pgmot9>

Can you talk to someone using a piece of string?



<http://bit.ly/1kbELnO>

Can you play a tune by making some glasses sing?



<http://bit.ly/2q0yzLn>

Can you build a paper rocket and launch it?



<http://bit.ly/2q0JGnI>

Go outside and find the most interesting plant or flower you can find and draw it. Can you do some research to find out some facts about it?



Measure your pulse rate by counting the beats you can feel on your wrist or your neck. Now do some exercise and try counting again. What happens?



50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

Look up at the night sky. Which constellations can you see? Can you draw the ones you find?



Go on a bug hunt outside. Can you build a home for the bugs you find?



Are finger print patterns inherited? Do yours match any members of your family?



What surface does a ball bounce best on? Design a test to find out.



Can you create your own butter by shaking some cream?



<http://bit.ly/2pd38ec>

Look up at the moon for a series of days. Can you see anything changing?



Cut open some fruits. What seeds can you see? How many different types of seeds are there?



Does a tail help a kite to fly? Build some kites at home to find out.



Investigate how to blow the biggest bubble possible.



How much sugar is it healthy for a child to have a day? Investigate the sugar content of some foods in your cupboard.



50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

Can you make some fireworks in a jar with food colouring, warm water and oil?



<http://bit.ly/2oqR5fY>

Melt some chocolate to make some rocky road treats!



Can you make water walk from one jar to another using a paper towel and some food colouring?



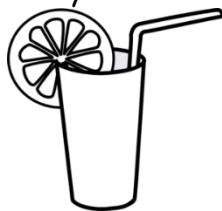
<http://bit.ly/2pZK038>

Build a catapult and target. How can you make your flying object go further?



<http://bit.ly/2q9Cp1q>

Tip some raisins into a cup of lemonade. What do you see?



Make some shadow puppets and put on a show for your family.



Look around the inside and outside of your house. How does electricity get to the appliances that you use?



Find some photos of yourself as a baby. How have you changed?

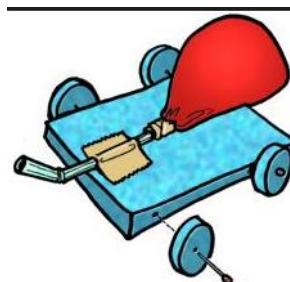


Can you build a cannon to launch a tennis ball?



<http://bit.ly/2dBBnGJ>

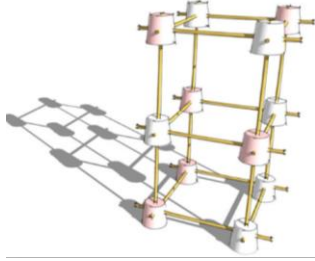
Can you build a car powered by a balloon?



<http://bit.ly/2dBBnGJ>

50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

How tall can you build a tower using spaghetti and marshmallows?



Can you make an uncooked egg bounce?



<http://bit.ly/2dBBnGJ>

Can you make some homemade play dough?



Can you make some colour changing cabbage juice?



<http://bit.ly/2dBBnGJ>

Can you make a cake in a mug using your microwave? What happens when you leave some of the key ingredients out?

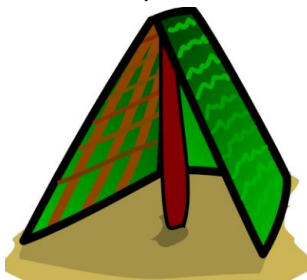


<http://bit.ly/2dBBnGJ>

Where is the best place to dry a pair of socks? Can you design a test to find out?



Choose some materials to build a den that would keep you warm and dry if you were to camp out in it.



Can you make a flame jump through air?



<http://bit.ly/2dBBnGJ>

Can you launch a fizzy bottle rocket?

<http://bit.ly/2dBBnGJ>



Can you make a soap powered boat?

<http://bit.ly/2dBBnGJ>



50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

Every time you complete one of the super science activities bring your evidence into school to show your teacher so they can stamp your book. Alternatively, if your evidence is a photograph email it to science@longwick.bucks.sch.uk All photographs and videos emailed will be uploaded to the school website so we can celebrate all your hard work! Certificates will be awarded in assembly when 10, 20, 30, 40 and all 50 of the Super Science activities are completed.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

50 Super Science Things To Do Before You're 11 $\frac{3}{4}$

26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50