我最喜欢的实验：会爬楼梯的彩色水

敬爱的老师、亲爱的同学们：大家好！我是三年级的学生，今天我演讲的题目是《我最喜欢的实验：会爬楼梯的彩色水》。同学们，你们做过实验吗？我以前觉得实验是电视里才有的事，直到上个月，我在自家餐桌上，亲眼看见彩色水会爬楼梯。

这个实验的名字叫毛细现象。材料特别简单：两个杯子、几张纸巾、一点食用色素。我在两个杯子里倒了同样多的水，左边滴红色色素，右边滴黄色色素，把纸巾折成一条小桥，一头插进红杯子，一头插进黄杯子，然后就开始等。第一个小时，什么也没发生，我都有点想放弃了。可是到了第二个小时，奇迹出现了：红色的水竟然顺着纸巾的小桥，一步一步往上爬，爬过桥顶，又往下走到黄杯子里去！黄色的水也在往红杯子爬！到了晚上，两个杯子都变成了橙色，那张白纸巾的桥，中间是橙色，两头一个红一个黄，像一道迷你的彩虹桥。

妈妈告诉我，纸巾里藏着无数看不见的小细缝，水最喜欢钻这种细缝，钻着钻着就往上爬，科学家把这叫毛细现象。植物能把地下的水送到高高的叶子上，也是靠这个本领。我听得入了迷：原来我天天看见的花草，身体里都在上演着同样的爬楼梯。

做这个实验的时候，我最深的感受有两个。第一个感受是：等一等，奇迹就会来。前面一个小时我急得直跺脚，差点去摇杯子，幸好忍住了。第二个感受是：原来普普通通的纸巾里，藏着这么大的秘密。一张两毛钱的纸巾，居然像森林里的树一样会送水。从那以后，我吃饭看见芹菜的茎、看见馒头冒热气，都会想：这里面是不是也有小细缝？

同学们，我真心希望你们也试一试这个实验，它便宜、安全，只需要一点耐心。做完以后，把你的杯子、你的彩虹桥讲给同学听。下个月班级分享会，我准备再带一张彩虹桥来，谁愿意跟我比一比，谁的桥爬得最快？让我们一起动手，一起发现，把快乐变成我们的科学课。我的演讲完毕，谢谢大家！

My Favorite Experiment: The Colored Water That Climbs Stairs

Respected teachers, dear fellow students: good morning! I am a third-grader, and today my speech is titled My Favorite Experiment: The Colored Water That Climbs Stairs. Have you ever done an experiment, everyone? I used to think experiments only happened on television, until last month, at my own dinner table, I watched colored water climb stairs with my own eyes.

The experiment is called capillary action. The materials are wonderfully simple: two cups, a few paper towels, a little food coloring. I poured equal water into both cups, dropped red coloring into the left one and yellow into the right, folded a paper towel into a little bridge with one end in the red cup and the other in the yellow cup, and began to wait. For the first hour, nothing happened, and I almost gave up. But in the second hour, the miracle appeared: the red water was actually

climbing up the paper bridge step by step, crossing the top of the bridge, and walking down into the yellow cup! The yellow water was climbing toward the red cup too! By evening, both cups had turned orange, and the white paper bridge was orange in the middle, red at one end and yellow at the other, like a miniature rainbow bridge.

My mother told me that paper towels hide countless tiny invisible gaps, and water loves to squeeze through such gaps, climbing upward as it goes; scientists call this capillary action. Plants send water from the soil all the way up to their highest leaves by the same trick. I listened, spellbound: the flowers and grass I see every day are acting out this same stair-climbing inside their bodies.

Doing this experiment left me with two deep feelings. The first is: wait a little, and the miracle will come. In that first hour I stamped my feet and nearly shook the cups — luckily I held back. The second feeling is that an ordinary paper towel hides such a big secret. A towel worth a few cents can carry water the way trees in a forest do. Ever since, whenever I see a celery stalk at dinner or steam rising from a steamed bun, I wonder: are there tiny gaps inside that too?

Fellow students, I sincerely hope you will try this experiment. It is cheap, safe, and needs only a little patience. Afterwards, tell your classmates about your cups and your rainbow bridge. At the class sharing meeting next month, I will bring another rainbow bridge — who wants to race me and see whose bridge climbs fastest? Let us work with our hands and make discoveries together, turning joy into our science class. Thank you all!