



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Jadyn V. Reed	Project Number J1931
Project Title Growing a Better Beanstalk	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The purpose of this project is to determine if soil pH has an effect on plant growth.</p> <p>Methods/Materials Pole Beans were planted in soils with acidic, neutral, and basic pH. The time to sprout and growth were recorded over several weeks.</p> <p>Results The seeds planted in neutral soil took the least days to sprout and had the greatest average height at the end of the experiment. However, not as many of the neutral plants grew and survived to the end compared to the acidic and basic soil.</p> <p>Conclusions/Discussion It was found that the soil pH had an effect on how quickly the plants grew, how many plants sprouted, and when they sprouted.</p>	
Summary Statement The purpose of this project is to determine if soil pH has an effect on plant growth.	
Help Received Mother helped with adding chemicals to soil and arranging board. Father helped with typing and making graphs.	