



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Tanner Owen Clark	Project Number J0608
Project Title The Lego Learning Link	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The question was asked: Do underperforming seventh graders perform better in reading comprehension if they know they will be creating with Legos after reading the selection? The objective was to find out if underperforming seventh graders did better on a reading comprehension quiz if, before reading the selection, they knew they would have to create something from the selection using Legos.</p> <p>Methods/Materials Materials: Legos, McCall-Crabbs Test Lessons in Reading. Methods: Students in a strategic (underperforming) seventh grade language arts class were divided into small groups. Each day, all groups were given two levels of reading selections and comprehension quizzes. A different group each day was chosen to create with Legos. The group was told before reading the selections that it had been chosen to create with Legos that day, and that they were to create something from one of the reading selections. The experiment was repeated for three days, with a different group creating with Legos each day.</p> <p>Results Underperforming seventh graders do perform better in reading comprehension when they know they are creating with Legos afterward.</p> <p>Conclusions/Discussion The implication of this study is that schools should be creating opportunities for creative expression and hands-on learning if test scores are to rise. As this is NOT what is currently happening, I recommend further investigation on this matter.</p>	
Summary Statement This project is about the link between comprehension and creativity.	
Help Received My mom helped type the report and helped troubleshoot when using Excel spreadsheet to make graphs.	