



**CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY**

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| Name(s) Brittany A. Loft | Project Number S0312 |
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| Project Title Techno vs. Old School |
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| <p>Objectives/Goals The purpose of this report is to determine if students can learn better through internet-based learning methods or hands-on materials.</p> <p>Methods/Materials</p> <ul style="list-style-type: none">· 30 students from La Reina High School<ul style="list-style-type: none">5 girls from the 7th grade5 girls from the 8th grade5 girls from the 9th grade5 girls from the 10th grade5 girls from the 11th grade5 girls from the 12th grade· a map of the united states for each student and each testing.· The web site for the internet-based method.· The book with the map inside to learn from it. <p>Results All of the identified groups, all female grades 7th through 12th, had varied test scores.</p> <p>Final Trial Results: The average percentage per grade with each method of learning:</p> <table><thead><tr><th>Grades</th><th>Book %</th><th>Internet %</th></tr></thead><tbody><tr><td>The 7th Grade-</td><td>59%</td><td>70%</td></tr><tr><td>The 8th Grade-</td><td>55%</td><td>64%</td></tr><tr><td>The 9th Grade-</td><td>52%</td><td>46%</td></tr><tr><td>The 10th Grade-</td><td>88%</td><td>84%</td></tr><tr><td>The 11th Grade-</td><td>65%</td><td>70%</td></tr></tbody></table> | Grades | Book % | Internet % | The 7th Grade- | 59% | 70% | The 8th Grade- | 55% | 64% | The 9th Grade- | 52% | 46% | The 10th Grade- | 88% | 84% | The 11th Grade- | 65% | 70% | <p>Abstract</p> |
|---|--------|------------|------------|----------------|-----|-----|----------------|-----|-----|----------------|-----|-----|-----------------|-----|-----|-----------------|-----|-----|------------------------|
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| Summary Statement My project is based on whether students have better leaning abilit through the internet or through text books. |
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| Help Received |
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