## Project Title

**Is Sunscreen SPF for Real?**

### Objectives/Goals
Evaluate the amount of UVA penetration when using different sun protection factor (SPF) sunscreens.

### Methods/Materials
Using a UVA monitor, the UVA reduction was measured as four different SPF sunscreens were applied to glass plates.

### Results
The greater the sunscreen SPF, the less UVA penetrated the glass plate. Lower SPF sunscreens (SPF 8 and 15) did not perform as well as their SPF rating would suggest. The higher SPF sunscreens (SPF 30 and 50) met or exceeded the expected UVA reduction.

### Conclusions/Discussion
All tested sunscreen products did provide some degree of UVA protection. SPF 30 and 50 sunscreens performed as their labels advertised, providing the best protection against UVA penetration. The difference in UVA reduction between SPF 30 and 50 was minimal.

### Summary Statement
This project evaluated which sun protection factor (SPF) sunscreen best protects your skin from ultraviolet A radiation.

### Help Received
Science teacher provided precision scale; parents purchased materials and assisted with trials; father assisted with spreadsheets; mother assisted with board assembly.