

Cognitive Psychology

Article Summary

What method was used? Longitudinal?
Very concise summary stick to the big
main points! easy to read.

Rauscher (1997) was curious to see if music training in children causes a long-

term enhancement of their spatial-temporal reasoning. Because young children have

You might want to briefly explain this. extremely plastic cortices, the researchers hypothesized that the children who received

this training would indeed improve significantly in their spatial-temporal reasoning.

Seventy-eight children, ages 3- 5, were studied over a two year period *what method* The children were

either assigned to a keyboard group, which also received singing lessons, or assigned to

one of the three remaining groups which included singing, computer, or no lessons at all. *control group*

Before the musical training began, the kid's spatial reasoning was tested with the WPPSI- *Random assignment*

Good explanation R. The pre-tests showed no differences in each of the group's spatial-temporal or spatial-

recognition scores. In the post-test however, there was a huge increase in the object

assembly scores, whereas none of the other groups showed a change. This study shows

that music training, rather than listening, produces long-term changes in spatial-temporal

reasoning. Rauscher (1997) suggests that heightened ability to solve evolve temporal

sequences of spatial patterns as a result of music training will lead to an enhanced

conceptual mastering of proportional reasoning, which will be investigated in future

research.

A little more detail on the findings would be nice

You may want to explain object assembly scores in more detail.