

Brain Benders

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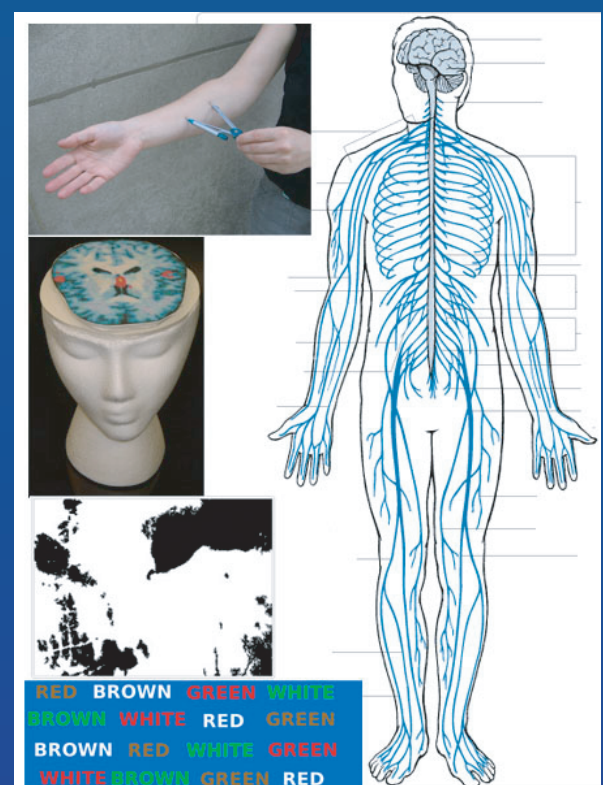
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A demonstration on how the brain receives and interprets information at the Museum of Science and Industry

Description

In this demonstration we introduce MSI's audience to how the brain receives and interprets information from the environment. When the human brain is presented with conflicting new information it finds efficient ways to sort out the discrepancies. We ask our audience to participate in a series of short experiments and experience how their own brain makes sense of such information. The central message of the demonstration is that:

The brain uses these nerve signals to make sense of the world. Nerve signals travel to the brain through various sense receptors. The brain combines these signals with information from other parts of the brain.



We have adapted a series of short, memorable and fun experiments from psychology and neuroscience to make the subject accessible and enjoyable for visitors of all ages. The experiments use the limitations and the automatic processes in the brain to illustrate the influence of nerve signals from a) receptors on the body (sight, sound, pressure, taste), and b) from the brain (language and memory).