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Thinking about Science Survey v2

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### Category 1: Epistemology (EPIST)

- Scientific knowledge is the most objective form of knowledge.
- We can be certain that scientific knowledge is reliable.
- The methods of science are the most reliable source of true, factual knowledge.
- Science is the best source of reliable knowledge.
- Scientific knowledge is the truest form of knowledge.

Alpha = 0.7475

### Category 2: Scientific & the Economy (ECON)

- Science helps develop our natural resources such as coal, gas, oil, and solar energy.
- Scientific knowledge is useful in keeping our national economy competitive in today’s world.
- There are many good things we can do today because of scientific knowledge.
- The development of our natural resources, such as coal, gas, oil, solar energy, is dependent upon having adequate scientific knowledge.
- Scientific knowledge is useful for only a few people. (Scored in reverse)
- Developing new scientific knowledge is very important for keeping our country economically competitive in today’s world.

Scientific knowledge is useful.

Alpha = 0.7528

### Category 3: Science & the Environment (ENVIR)

- Science plays a key role in the conservation of our environment.
- Science plays a key role in the protection of our environment.
- Science can help us preserve our natural environment and natural resources.
- Without science we will not be able to preserve our natural environment and natural resources.
- Science contributes important knowledge about our natural environment.

Alpha = 0.7037

### Category 4: Public Regulation of Science (POLY)

- There is little need for the legal regulation of scientific research.
- Scientists should not be allowed to research anything they wish. (Scored in reverse)
- Scientific research should be carefully regulated by law. (Scored in reverse)

Alpha = 0.7757

### Category 5: Science & Public Health (HEAL)

- Scientific research makes important contributions to medicine and the improvement of public health.
- Scientific knowledge contributes little to good health. (Scored in reverse)

Alpha = 0.5652

### Category 6: Science & Religion (RELIG)

- The discoveries of science consistently rule out the claims of religion.
- When scientific and religious descriptions of natural phenomena conflict, the scientific description should have the clear priority.
- There is little common ground on which science and religion can meet.
- The more humans learn scientifically about the natural world, the less reason they have for religion.
- If a natural phenomenon can be described scientifically in natural “cause and effect” categories, then any religious description of that phenomenon must be excluded.
- Scientific understanding of natural phenomena has made impossible any belief in the supernatural work of a deity.

Alpha = 0.7523
### Category 7: Science & Aesthetics (BEAUT)

- Scientific explanations tend to spoil the beauty of nature. (Scored in reverse)
- It is more important for a person to learn about science than it is to learn about the arts.
- It is more important for a person to learn about the arts than it is to learn about science. (Scored in reverse)

**Alpha = 0.5209**

### Category 8: Science, Race & Gender (RACE)

- Women are welcome in science just as much as men are.
- The scientific community is mostly dominated by white men and is often unfriendly to minority people. (Scored in reverse)
- African Americans and other minority people are just as welcome in the scientific community as are white people.
- The scientific community is mostly dominated by men and is often unfriendly to women. (Scored in reverse)

**Alpha = 0.7686**

### Category 9: Science for All (For_All)

- Students should not be forced to take science courses at the university. (Scored in reverse)
- Science should not be made an important subject for the elementary school grades. (Scored in reverse)
- Understanding science is a good thing for everyone.
- All students should study science during the secondary school grade levels.
- Most people really do not need to know very much science. (Scored in reverse)
- Even at the university level all students should study at least some science.
- Science should be taught at all school grade levels.

**Alpha = 0.8031**