

## TSSI Ver 2

### 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

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**Category 7: Science & Aesthetics (BEAUT)**

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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

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

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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

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**Category 9: Science for All (For\_All)**

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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

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