

Thomas Kuhn

Quotes

Science, Men, Scientist, Political Revolution, Way, Facts, Thinking, Normal, Change, World, Practice, Successful, Research, Understanding, Knowledge, Lenses, Data, Past, Environmental, Anecdotes

The answers you get depend upon the questions you ask.

~Thomas Kuhn

All significant breakthroughs are break-throughs with old ways of thinking.

~Thomas Kuhn

What a man sees depends both upon what he looks at and also upon what his previous visual-conceptual experience has taught him to see.

~Thomas Kuhn

We see the world in terms of our theories.

~Thomas Kuhn

Far from being magisterial in its objectivity, science was conditioned by history, society, and the prejudices of scientists.

~Thomas Kuhn

Philosophers of science have repeatedly demonstrated that more than one theoretical construction can always be placed upon a given collection of data.

~Thomas Kuhn

In science novelty emerges only with difficulty, manifested by resistance, against a background provided by expectation.

~Thomas Kuhn

Probably, the single most prevalent claim advanced by the proponents of a new paradigm is that they can solve the problems that led the old one to a crisis.

~Thomas Kuhn

Normal science does not aim at novelties of fact or theory and, when successful, finds none.

~Thomas Kuhn

Almost always the men who achieve these fundamental inventions of a new paradigm have been either very young or very new to the field whose paradigm they change.

~Thomas Kuhn

Rather than being an interpreter, the scientist who embraces a new paradigm is like the man wearing inverting lenses.

~Thomas Kuhn

Literally as well as metaphorically, the man accustomed to inverting lenses has undergone a revolutionary transformation of vision.

~Thomas Kuhn

Its assimilation requires the reconstruction of prior theory and re-evaluation of prior fact, an intrinsically revolutionary process that is seldom completed a single man and never overnight

~Thomas Kuhn

Communication across the revolutionary divide is inevitably partial.

~Thomas Kuhn

Each paradigm will be shown to satisfy more or less the criteria that it dictates for itself and to fall short of a few of those dictated by its opponent.

~Thomas Kuhn

History, if viewed as a repository for more than anecdote or chronology, could produce a decisive transformation in the image of science by which we are now possessed.

~Thomas Kuhn

The historian of science may be tempted to exclaim that when

paradigms change, the world itself changes with them.

~Thomas Kuhn

Research under a paradigm must be a particularly effective way of inducing paradigm change.

~Thomas Kuhn

Every important idea in science sounds strange at first.

~Thomas Kuhn

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