

SAROJ SUMPAONGERN : SCIENTIFIC AND TECHNOLOGICAL CHARACTERISTICS
APPROPRIATE TO LOWER SECONDARY EDUCATION THAI GRADUATES AS PERCEIVED
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The purpose of this research was to study the opinion of specialists in science and technology concerning scientific and technological characteristics appropriate to lower secondary education Thai graduates. The sample were selected 135 Thai specialists in science and technology. The research instrument was the questionnaire concerning scientific and technological characteristics appropriate to lower secondary education Thai graduates constructed by the researcher. The obtained data were analyzed by using arithmetic mean and standard deviation.

The results of research showed that the specialists agreed that the proposed scientific and technological characteristics were appropriate to lower secondary education Thai graduates at the high level. Those characteristics were : to differentiate reliable information from unreliable ones, to realize that anything scientifically and technologically developed can bring about both negative and positive effects, to accept other person's rational decisions and acts, to accept other's reasonable opinions, to be curious, to realize values of nature, to be aware of the values of human's creations, to realize that scientific and technological creations resulted from several attempts and experiments, to be aware of scientific and technological values, to realize that science and technology knowledge is subject to alter whenever there was a suitable information, to be aware that science and technology had an impact on society in many aspects, to be capable of analysis of natural phenomena in order to see its cause and effect, to realize the necessity of using scientific methods to solve environmental problems, to realize that there would always be means to solve the problem caused by science and technology.