

Below is a list of competencies that were compiled during the first NHTEA Competencies Meeting on 3/11/2008.

These agreed upon competencies will be applied to each content area and grade level, listed in our guide. (medical, agricultural, biological, energy and power, information and communication, transportation, manufacturing and construction) These competencies will be compiled in an addendum to the NHTEA Curriculum Guide.

1. Students will understand that the study of technology involves an organized set of concepts, processes, and systems that are specific to the study of technology.
2. Students will understand that the implementation of technological solutions requires the application of human and material resources, processes, and systems.
3. Students will understand that technological systems require input, processes, output, and feedback.
4. Students will understand that relationships exist among technologies and between technology and other fields of study.
5. Students will understand that there are interrelationships among the individual, society, technology, and the environment.
6. Students will understand that solving problems relating to a variety of technological systems requires the use of technical information.
7. Students will understand that they must develop the ability to question, investigate, experiment, and evaluate; habits of mind necessary to a lifelong learner.
8. Students will understand that solving technological problems involves cooperation, collaboration, and individual contributions.
9. Students will understand that technological problem solving requires the application of the design process.
10. Students will understand that all technological systems require the development of safe and acceptable applications of techniques, equipment, and materials.
11. Students will understand that safe practices, attitudes, and awareness are essential within all areas and levels of technologies.
12. Students will understand that there is a need for human societies to develop, control, and maintain a variety of technological systems such as medical, agricultural, biological, energy and power, information and communication, transportation, manufacturing and construction.
13. Students will understand that it is important to develop leadership abilities through participation in co-curricular activities such as the Technology Student Association.