# Alignment of OAE Technology Education Assessment Framework with Ohio-specified Standards

This alignment study identifies the national and/or Ohio educational standards that are addressed in whole or in part by each competency of the assessment framework. An indication of alignment does not necessarily imply complete congruence of the content of an OAE test competency with the relevant standard. The information in this document is subject to change if revisions are made to the assessment framework. Any changes will fully supersede the information contained in this document.

| Competencies | | Ohio Educational Preparation Standards | Ohio Educator Standards | Ohio Student Standards |
|---|---|---|---|---|
| **Technology Education** | | NCATE/ITEA/CTTE Program Standards (2003) - Programs for the Preparation of Technology Education Teachers | Ohio Standards for the Teaching Profession | Ohio's 2003 Academic Content Standards in Technology |
| Subtest I<br>Nature of Technology | | | | |
| 0001 | Understand innovation and design. | 3-4 | 2 | 1 |
| 0002 | Understand careers and employability skills. | | 2 | 1, 4-7 |
| 0003 | Understand safety and the environment. | 1-5; 8 | 2 | 2 |
| 0004 | Understand the role of technology in society and globalization. | 1-2 | 2 | 2 |
| 0005 | Understand the universal systems model. | 4 | 2 | 1 |
| 0006 | Understand integration with other academic disciplines. | 1; 6 | 2 | 1 |

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| **Technology Education** | | NCATE/ITEA/CTTE Program Standards (2003) - Programs for the Preparation of Technology Education Teachers | Ohio Standards for the Teaching Profession | Ohio's 2003 Academic Content Standards in Technology |
| Subtest II<br>The Designed World:  Power, Energy, and Transportation | | | | |
| 0001 | Understand power, energy, and transportation processes. | 5 | 2 | 6-7 |
| 0002 | Understand power, energy, and transportation systems. | 5 | 2 | 6-7 |
| 0003 | Understand power, energy, and transportation resources. | 5 | 2 | 6-7 |
| The Designed World:  Information and Communication | | | | |
| 0004 | Understand information and communication design processes. | 3-5 | 2 | 4-5 |
| 0005 | Understand information and communication systems. | 5 | 2 | 4-5 |
| 0006 | Understand information and communication resources. | 5 | 2 | 4-5 |
| 0007 | Understand security and privacy. | 2; 5 | 2 | 5 |

| Competencies | | Ohio Educational Preparation Standards | Ohio Educator Standards | Ohio Student Standards |
|---|---|---|---|---|
| **Technology Education** | | NCATE/ITEA/CTTE Program Standards (2003) - Programs for the Preparation of Technology Education Teachers | Ohio Standards for the Teaching Profession | Ohio's 2003 Academic Content Standards in Technology |
| The Designed World:  Manufacturing and Construction | | | | |
| 0008 | Understand engineering principles. | 3-4 | 2 | 3; 6-7 |
| 0009 | Understand manufacturing and construction processes. | 5 | 2 | 7 |
| 0010 | Understand manufacturing and construction resources. | 5 | 2 | 7 |
| 0011 | Understand quality control and quality assurance. | 5 | 2 | 7 |