# **Colorado Department of Education LogoTechnology Education (Grades 6-12) Evaluation Worksheet**

Demonstration of Professional Competencies and Depth of Content Knowledge

## **Applicant**

Legal name:  Click or tap here to enter text. Date: Click or tap here to enter text.

## **Requirements**

Content competency must be demonstrated *for each row within each table* by at least one of the following measures (see below).

In the “Course #/Title/Grade” column, you may include any classes you have taken where you have earned a grade of B- or higher. In your submission, you must also upload official transcripts and an official course syllabus from the term in which the course was taken. If you include multiple transcripts, please specify on which transcript reviewers can find the listed course.

You may consider supplementing your submission with portfolio artifacts that demonstrate professional competencies and content knowledge, including candidate-created unit plans, teaching videos, demonstrated classroom experience in which a rubric review was utilized, etc. These will be listed in the “Portfolio Artifact(s)” column. All portfolio evidence *must* be accompanied by written rationale, indicating how each artifact provided shows content competency of the corresponding concept. Please note, portfolio artifacts are meant to show that you know the *content*, not pedagogy, of your desired endorsement area.

In addition, it is key to use a 1:1 naming convention between the items listed in the artifacts column and the documents you upload in the Colorado Online Licensing system (COOL). For instance, if you write “Design Process Unit Plan” on the worksheet, there must be a corresponding upload titled “Design Process Unit Plan” in COOL.

The same artifact/course *may* be used to show competency for multiple concepts; however, the written rationale for portfolio artifacts must be specifically aligned to the concept in that row. If you are submitting a portfolio, multiple pieces of evidence are encouraged per row.

**Technology Education:**

* Coursework: Minimum of B-; syllabi and official transcript required
* Portfolio: Artifacts demonstrating attainment of standards outlined below

\*\*\* If you hold a bachelor’s degree or higher in Technology Education (Industrial Arts), you may submit your application in COOL without doing Multiple Measures.

\*\*\* If you have 24 semester hours of coursework as identified on the [Technology Education Endorsement Worksheet](https://www.cde.state.co.us/cdeprof/endorsementrequirements), you may submit your application in COOL without doing Multiple Measures.

## **Technology Education**

### **Technology and Society:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Historical development and trends of technology and technology education, including impacts of technology | Click or tap here to enter text. | Click or tap here to enter text. |
| Engineering, math, science, and technology intersections | Click or tap here to enter text. | Click or tap here to enter text. |
| Economic, political, and legal consequences | Click or tap here to enter text. | Click or tap here to enter text. |

### **Technology Design and Problem-Solving:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Emerging technologies | Click or tap here to enter text. | Click or tap here to enter text. |
| Software | Click or tap here to enter text. | Click or tap here to enter text. |
| Design Process | Click or tap here to enter text. | Click or tap here to enter text. |

### **Energy, Power, and Transportation:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Control systems | Click or tap here to enter text. | Click or tap here to enter text. |
| Mathematical and scientific principles that support technological and transportation systems | Click or tap here to enter text. | Click or tap here to enter text. |
| How transportation systems are designed, powered, operated, and maintained | Click or tap here to enter text. | Click or tap here to enter text. |
| Energy forms, concepts, relationships, and utilization systems | Click or tap here to enter text. | Click or tap here to enter text. |

### **Information and Communication Technologies:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Information system concepts and terminology | Click or tap here to enter text. | Click or tap here to enter text. |
| Software and hardware; operating systems, software applications, communication devices, and networking components | Click or tap here to enter text. | Click or tap here to enter text. |
| Network structures | Click or tap here to enter text. | Click or tap here to enter text. |
| Communication system concepts, trends, and terminology | Click or tap here to enter text. | Click or tap here to enter text. |
| Legal and ethical issues | Click or tap here to enter text. | Click or tap here to enter text. |

### **Manufacturing and Construction Technologies:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Management functions; construction processes | Click or tap here to enter text. | Click or tap here to enter text. |
| Systems model | Click or tap here to enter text. | Click or tap here to enter text. |
| Efficiency of production; flexible, continuous, batch and custom production | Click or tap here to enter text. | Click or tap here to enter text. |
| Variety and property of materials, including industrial materials and conversion | Click or tap here to enter text. | Click or tap here to enter text. |
| Structural design constraints | Click or tap here to enter text. | Click or tap here to enter text. |
| Static and dynamic loads | Click or tap here to enter text. | Click or tap here to enter text. |

### **Pedagogical and Professional Studies:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Cooperative learning experiences | Click or tap here to enter text. | Click or tap here to enter text. |
| Communication technologies and occupational opportunities and career pathways | Click or tap here to enter text. | Click or tap here to enter text. |
| Management of equipment, materials, supplies, and people | Click or tap here to enter text. | Click or tap here to enter text. |

08.01.2025 | Determination of qualification will be made by CDE upon evaluation of a complete submission