# **Colorado Department of Education LogoScience (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 “Chemistry Unit Plan” on the worksheet, there must be a corresponding upload titled “Chemistry 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.

**Science:**

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

\*\*\* If you hold a bachelor’s degree or higher in any of the sciences identified on the [Science Endorsement worksheet](https://www.cde.state.co.us/cdeprof/scienceworksheet), you may submit your application in COOL without doing Multiple Measures.

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

## **Science**

### **Scientific Methodology, Techniques, and History:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Methods of scientific inquiry and design | Click or tap here to enter text. | Click or tap here to enter text. |
| Scientific data collection and experiments | Click or tap here to enter text. | Click or tap here to enter text. |
| Laboratory materials, procedures, equipment, and safety/emergency procedures | Click or tap here to enter text. | Click or tap here to enter text. |
| Core scientific practices | Click or tap here to enter text. | Click or tap here to enter text. |
| Historical scientific developments | Click or tap here to enter text. | Click or tap here to enter text. |

### **Physical Science:**

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

### **Life Science:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Cell biology, including: structure, function, and reproduction; biochemistry of life | Click or tap here to enter text. | Click or tap here to enter text. |
| Genetics | Click or tap here to enter text. | Click or tap here to enter text. |
| Hierarchical classification | Click or tap here to enter text. | Click or tap here to enter text. |
| Organismal biology, including: plant structures and functions; and anatomy and physiology | Click or tap here to enter text. | Click or tap here to enter text. |
| Ecology | Click or tap here to enter text. | Click or tap here to enter text. |
| Biology | Click or tap here to enter text. | Click or tap here to enter text. |

### **Earth and Space Science:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Physical and historical geology | Click or tap here to enter text. | Click or tap here to enter text. |
| Earth’s bodies of water | Click or tap here to enter text. | Click or tap here to enter text. |
| Meteorology and climate | Click or tap here to enter text. | Click or tap here to enter text. |
| Astronomy | Click or tap here to enter text. | Click or tap here to enter text. |

### **Science, Technology, and Society:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Impact of science and technology on the environment and society | Click or tap here to enter text. | Click or tap here to enter text. |
| Energy production issues and natural resource management | Click or tap here to enter text. | Click or tap here to enter text. |
| Applications of science and technology in daily life | Click or tap here to enter text. | Click or tap here to enter text. |
| Impact of science on public health issues | 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