# **Colorado Department of Education LogoElementary Mathematics Evaluation Worksheet**

Elementary Education (K-6), Special Education Generalist (Ages 5-21)

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 “Numbers and Operations Unit Plan” on the worksheet, there must be a corresponding upload titled “Numbers and Operations 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.

**Math:**

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

## **Mathematics**

### **Numbers and Operations:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Place value and base-ten system | Click or tap here to enter text. | Click or tap here to enter text. |
| Operations with rational numbers | Click or tap here to enter text. | Click or tap here to enter text. |
| Proportional reasoning and percents | Click or tap here to enter text. | Click or tap here to enter text. |
| Basic concepts of number theory (e.g. factors, multiples, prime numbers, etc.) | Click or tap here to enter text. | Click or tap here to enter text. |

### **Algebraic Thinking:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Understanding and using algebraic expressions, equations, and formulas | Click or tap here to enter text. | Click or tap here to enter text. |
| Solving linear equations and inequalities | Click or tap here to enter text. | Click or tap here to enter text. |
| Recognizing and extending patterns (numeric and geometric) | Click or tap here to enter text. | Click or tap here to enter text. |

### **Geometry and Measurement:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Properties and classification of one-, two-, and three- dimensional figures | Click or tap here to enter text. | Click or tap here to enter text. |
| Perimeter, area, surface area, and volume | Click or tap here to enter text. | Click or tap here to enter text. |
| Coordinate planes and graphing ordered pairs | Click or tap here to enter text. | Click or tap here to enter text. |
| Concepts of measurement | Click or tap here to enter text. | Click or tap here to enter text. |

### **Data, Statistics, and Probability:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Collecting, organizing, and interpreting data | Click or tap here to enter text. | Click or tap here to enter text. |
| Using graphs and charts to represent data | Click or tap here to enter text. | Click or tap here to enter text. |
| Understanding mean, median, mode, and range | Click or tap here to enter text. | Click or tap here to enter text. |
| Basic probability concepts and reasoning | 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