# **Colorado Department of Education LogoMiddle School Math (Grades 6-8) 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 “Number Theory Unit Plan” on the worksheet, there must be a corresponding upload titled “Number Theory 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.

**Middle School Mathematics:**

* 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 Math, you may submit your application in COOL without doing Multiple Measures.

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

## **Middle School Mathematics**

### **Numbers and Operations:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Real number system | Click or tap here to enter text. | Click or tap here to enter text. |
| Fractions, decimals, and percentages | Click or tap here to enter text. | Click or tap here to enter text. |
| Ratios and proportional relationships | Click or tap here to enter text. | Click or tap here to enter text. |
| Quantitative reasoning | Click or tap here to enter text. | Click or tap here to enter text. |
| Number theory | Click or tap here to enter text. | Click or tap here to enter text. |

### **Algebra:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Algebraic expressions, equations, and formulas | Click or tap here to enter text. | Click or tap here to enter text. |
| Linear relationships | Click or tap here to enter text. | Click or tap here to enter text. |
| Equations and inequalities | Click or tap here to enter text. | Click or tap here to enter text. |

### **Functions:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Functions | Click or tap here to enter text. | Click or tap here to enter text. |
| Domain and range | Click or tap here to enter text. | Click or tap here to enter text. |
| Linear functions | Click or tap here to enter text. | Click or tap here to enter text. |
| Tables and graphs | Click or tap here to enter text. | Click or tap here to enter text. |
| Function modeling | Click or tap here to enter text. | Click or tap here to enter text. |
| Linear, quadratic, and exponential function models | Click or tap here to enter text. | Click or tap here to enter text. |
| Arithmetic sequences | 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** |
| --- | --- | --- |
| Types of lines | Click or tap here to enter text. | Click or tap here to enter text. |
| Triangles, circles, quadrilaterals, and polygons | Click or tap here to enter text. | Click or tap here to enter text. |
| Transformations | Click or tap here to enter text. | Click or tap here to enter text. |
| Congruence and similarity | Click or tap here to enter text. | Click or tap here to enter text. |
| xy-plane relationships | Click or tap here to enter text. | Click or tap here to enter text. |
| Perimeter and area | Click or tap here to enter text. | Click or tap here to enter text. |
| Systems of measurement | Click or tap here to enter text. | Click or tap here to enter text. |

### **Statistics and Probability:**

| **Candidates must demonstrate knowledge of each of the following concepts:** | **Course #/Title/Grade** | **Portfolio Artifact(s)**  **AND**  **Rationale** |
| --- | --- | --- |
| Statistical processes | Click or tap here to enter text. | Click or tap here to enter text. |
| Interpret, analyze, and represent data | Click or tap here to enter text. | Click or tap here to enter text. |
| Measures of central tendency and dispersion | Click or tap here to enter text. | Click or tap here to enter text. |
| Probability models | 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