

# Ohio Academic Content Standards

## *Art Adds Up (Grades 2-3)*

The content of this exhibition and the suggested curriculum connections in this educator resource are in alignment with specific benchmarks as outlined in the Ohio Academic Content Standards for Mathematics.

### **MATHEMATICS:**

#### **Number, Number Sense and Operations**

Students demonstrate number sense, including an understanding of number systems and operations and how they relate to one another. Students compute fluently and make reasonable estimates using paper and pencil, technology-supported and mental methods.

| <b>Grades</b> | <b>Benchmarks</b> |
|---------------|-------------------|
|---------------|-------------------|

|     |      |
|-----|------|
| K-2 | G, H |
|-----|------|

|     |      |
|-----|------|
| 3-4 | G, J |
|-----|------|

#### **Geometry and Spatial Sense Standard**

Students identify, classify, compare and analyze characteristics, properties and relationships of one-, two-, and three-dimensional geometric figures and objects. Students use spatial reasoning, properties of geometric objects and transformations to analyze mathematical situations and solve problems.

| <b>Grades</b> | <b>Benchmarks</b> |
|---------------|-------------------|
|---------------|-------------------|

|     |                     |
|-----|---------------------|
| K-2 | A, B, C, D, E, F, G |
|-----|---------------------|

|     |                     |
|-----|---------------------|
| 3-4 | A, B, C, E, F, H, J |
|-----|---------------------|

#### **Patterns, Functions and Algebra**

Students use patterns, relations and functions to model, represent and analyze problem situations that involve variable quantities. Students analyze, model and solve problems using various representations such as tables, graphs and equations.

| <b>Grades</b> | <b>Benchmarks</b> |
|---------------|-------------------|
|---------------|-------------------|

|     |         |
|-----|---------|
| K-2 | A, C, G |
|-----|---------|

|     |      |
|-----|------|
| 3-4 | A, B |
|-----|------|

#### **Data Analysis and Probability**

Students pose questions and collect, organize, represent, interpret and analyze data to answer those questions. Students develop and evaluate inferences, predictions and arguments that are based on data.

| <b>Grades</b> | <b>Benchmarks</b> |
|---------------|-------------------|
| K-2           | A, B, C           |
| 3-4           | A, B, C, D        |

### **Mathematical Processes**

The benchmarks for mathematical processes articulate what students should demonstrate in problem solving, representation, communication, reasoning and connections at key points in their mathematics program.

| <b>Grades</b> | <b>Benchmarks</b>         |
|---------------|---------------------------|
| K-2           | A, B, C, D, E, F, G, H, I |
| 3-4           | B, D, E, F, G, H, I, J, K |