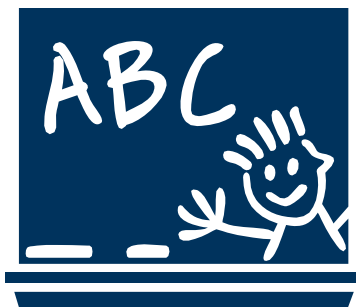


## Help your child become a reader and writer!

Children who are readers can take words apart to help them in their search for meaning. When they write, they are able to construct words from letters. Readers can unlock the puzzle of print and enter the joyful world of reading. You can help your child become a reader by:

- Pointing out print to your child—on a billboard, a sign, a cereal box or a milk carton
- Reading to your child everyday—even 10 minutes opens your child's ears and eyes to the world of print
- Teaching your child nursery rhymes—rhythm and rhyme are essential to language
- Listening to your child tell about their day—retelling is an important skill in reading
- Encouraging your child to “write” using pictures and whatever letters they can make
- Providing a journal your child can write in
- Getting your child a library card—books are the key to life-long reading

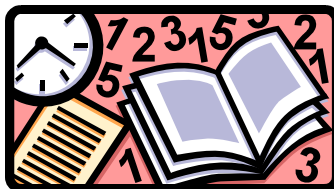


## Help your child discover math in our world!

In the young child's world, mathematics is used everyday with familiar objects in real life situations. In the early years, children think in very concrete terms. They enjoy learning numbers, counting, collecting things, identifying shapes, and, of course, building things. You can help your child enjoy mathematics by:

- Helping them recognize shapes (circles, squares, triangles) in nature, in things that people build and at home (clock, bed, etc.)
- Counting things in your daily world—plates on the table, shirts in the laundry, toys as you put them away

Pointing out patterns—in traffic (truck, car, truck, car)—in the grocery line (cart, person, cart, person)—in nature (bird songs and pine cones)—at home (clothing and dishes)



For complete information on the Arizona Academic Standards go to [www.ade.az.gov/standards/contentstandards.asp](http://www.ade.az.gov/standards/contentstandards.asp)

### Osborn School District

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Osborn School District  
An Osborn Education

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*Parents' Guide to  
Grade Level  
Learning Targets  
for Reading,  
Writing and Math*

*Kindergarten*

## Reading

- Students understand print concepts (track print from left to right, identify the front and back cover and title of a book);
- Make predictions based on title, cover, illustrations and text;
- Share ideas and ask questions about a story;
- Identify the main characters, setting and key events of a story;
- Retell a story in sequence;
- Identify upper and lowercase letters of the alphabet;
- Identify letter sounds;
- Identify the beginning and ending sound in spoken words;
- Read high frequency words by sight;
- Identify and produce rhyming words;
- Identify words frequently found in books (the, I, a, am, me, etc.);
- Blend sounds to read words;
- Identify facts from nonfictional text;
- Identify environmental print (exit and stop signs, logos, etc.);

## Writing

- Students write the 26 upper and lowercase letters of the alphabet;
- Use phonetic spelling to spell words;
- Create a personal experience narrative by drawing, telling and/or beginning writing;
- Create a story by drawing, telling and/or beginning writing;
- Participate in creating whole class reports and messages.

# Osborn School District Kindergarten Targets

## Math

### Number and Operations

#### Number Sense:

- Students develop basic ideas of number;
- Use numbers to think about objects and the world around them (numbers through 20);
- Practice counting objects in sets;
- Explore how numbers are ordered.

#### Numerical Operations:

- Students put together and take apart numbers through 10, building a foundation for adding and subtracting;
- Apply strategies to solve contextual and numerical problems.

**Estimation:** Students use 5 and 10 as benchmark numbers to develop their sense of quantity and compare numbers.

### Data Analysis

**Data Analysis (Statistics):** Students collect data to create object graphs and pictographs and apply number concepts to describe and interpret the graphs

**Systematic Listing and Counting:** Students sort objects and describe how they sorted them.

### Patterns and Algebra

#### Patterns:

- Students study simple repeating and growing patterns;
- Prepare for increasingly sophisticated patterns used in algebra.

### Algebraic Representations:

- Students learn to add and subtract by joining and separating sets of objects;
- Construct models and develop understanding of equivalent forms of numbers to 10.

### Geometry and Measurement

#### Geometric Properties:

- Students develop basic ideas related to geometry;
- Name, draw, describe, and compare simple two and three-dimensional figures;
- Find shapes in the environment.

**Measurement:** Students informally develop measurement concepts of length using non-standard units.

### Structure and Logic

#### Logic, Reasoning and Problem Solving:

- Students begin to understand that doing mathematics involves solving problems and discussing how they solved them;
- Begin to develop their mathematical communication skills;
- Participate in mathematical discussions involving questions like "How did you get that answer?" and "Why is that true?"