



What Incoming 7th Graders Need to Know

The following are essential learnings and expectations for graduating 6th graders, as identified by Middle School teachers.

Math

Students will demonstrate knowledge of:

- **Compare positive rational numbers**
- **Write equivalent fractions, decimals and percents**
- **Convert between fractions, decimals and percents**
- **Multiply and divide fractions and decimals**
- **Use ratios to compare quantities**
- **Find area and volume of cubes, rectangular and triangular prisms**
- **Find the probability of two events**
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Reading

Students will demonstrate knowledge of:

- **How to make inferences from their reading**
- **Main idea and supporting details**
- **Theme**
- **How to write a one page book review**
- **All 5 parts of a plot line (exposition, rising action, climax, falling action, and resolution)**
- **How to use context clues**
- **1st person point of view, 2nd person point of view, and 3rd person point of view**

Writing

Students will demonstrate knowledge of:

- **6th grade spelling**
- **Using advanced grammar: quotation marks, hyphens, and parenthesis.**
- **Knowing all parts of speech.**
- **Adding voice and tone to writing.**
- **The Writing Process (rough draft, critique, edit, final)**

Science

Students will demonstrate knowledge of:

- **Basic Cell Characteristic and Size**
- **Food Chains**
- **Living and Non-Living**
- **Genetics/Characteristics originate from biological parents**
- **Organisms compete for resources and reproduction**
- **Environmental pressures and damages**
- **Human Anatomy- basic**
- **Lab Safety**
- **Introduction to academic uses of technology (Search engines, PowerPoint, etc.)**

Social Studies

Students will demonstrate knowledge of:

- **Location**
- **Place**
- **Regions**
- **Movement**
- **Human-Environment Interaction**
- **Create and use of maps**