

RINGWOOD PUBLIC SCHOOLS

WHAT EVERY STUDENT SHOULD KNOW BY THE END OF SECOND GRADE – MATHEMATICS

Numbers and Numeration

- Recognize numbers 1 – 1,000.
- Discover patterns in numbers (5's, 10's, etc.).
- Use ordinal numbers (1st, 2nd, 14th, etc.).
- Know even and odd numbers.
- Understand place value (to 100's) and zero as a place holder.

Operations with Whole Numbers

- Master addition and subtraction facts through 18 ($9 + 12 =$, $18 - 14 =$, $12 - 12 =$) and be able to listen to a problem, perform mental calculations, and respond verbally with correct answer.
- Identify inequalities (less-than, greater-than, equal).
- Add and subtract two-digit numbers with and without regrouping. Be able to use vertical and horizontal notation.
- Use expanded notation to the tens place (example: $26 = 20 + 6$).
- Round and estimate to the nearest ten.
- Solve word problems involving addition and subtraction facts through 18.
- Create number sentences.
- Understand equal parts of a whole.

Probability/Statistics/Graphing

- Collect and record data.
- Use tally marks to develop graphs.
- Interpret data using pictographs, bar graphs, and tally charts.

Measurement

- Measure to the nearest centimeter.

Time

- Tell time to hour, half-hour, and quarter hour.

Money

- Identify coins and their value (penny, nickel, dime, quarter, and half-dollar).
- Count coins to \$1.00.
- Count combinations of like and unlike coins (pennies, nickels, dimes).

Geometry

- Identify plane figures (square, triangle, line, rectangle, circle, oval, etc.).
- Identify 3-D, solid figures (cube, sphere, pyramid, etc.).
- Compare figures.
- Recognize and continue simple patterns.