

Suggested Manipulatives List Grades K-2

Every Class

Unifix Cubes or Snap Cubes (30 per student)
Pattern blocks
Portion cups (10 per student)
Beans (100 per student)
Two-sided color counters (20 per student)
Centimeter cubes (sometimes called rainbow cubes)
Counters-frogs, dinosaurs, or teddy bears (20 per student)
Links
Base 10 blocks (1 set per student)
Color Tiles (2 buckets)
Dice (regular and 10 sided)
Number lines (1 per student)
Slates or white boards with chalk or markers (one per student)
Rulers (1 set per student)
Stop watch (1 per teacher) (use online-stopwatch.com instead)
Thermometers (1 per 2 students)
Calculators – TI-10
Overhead calculator to match students (1 per teacher)

One per Grade

Geoboards (1 per student)
Tangrams (1 per student)
Money (plastic coins and bills)
Clocks (1 per student)
Clock-Teacher demonstration
Dominoes- double sixes or double nines (1 set per 2 students)
Geometric Solids (4-5 sets)
Attribute Blocks (1 set per student)
Standard measuring devices
Yard sticks
Measuring cups and spoons
Various sizes of containers
Weights
Math Balance (number line with tiles to hang –this is different from the regular balance scales)

Suggested sources:

Nasco Math: www.eNasco.com	800-558-9595 (less expensive)	fax: 209-545-1669
ETA/Cuisenaire www.etacuisenaire.com	800-445-5985	fax: 800-ETA-9326
Educators Outlet www.educatorsoutlet.com	800-315-2212	fax: 866-254-5786
EAI Education www.EAIeducation.com	800-770-8010 (less expensive)	fax: 201-891-5689
Summit Learning www.summitlearning.com	800-777-8817	fax: 800-317-2194
Didax Educational Resources www.didaxinc.com	800-458-0024	fax: 800-350-2345

Ideas, strategies and activity books:

NCTM Resources www.NCTM.org/catalog	800-235-7566	fax: 703-476-2970
McGraw/Hill Wright Group www.WrightGroup.com	800-648-2970	fax: 800-593-4418
Key Curriculum Press www.keypress.com	800-995-MATH	fax: 800-541-2442
Kagan Publishing www.KaganOnline.com	800-933-7667	fax: 949-369-6311

Suggested Manipulatives List for Grades 3-4

Every Class

- Pattern blocks (1 set per 2 students)
- Base 10 blocks (1 set per student)
- Rainbow cubes (2,000 bucket)
- Linker cubes (25 - 30 per student)
- Color tiles (2 buckets)
- Dice (many - regular and polyhedral)
- Clear spinners (1 per every 2 students)
- Number tiles (card stock) (1 set of 0-9 per student)
- Number line (positive and negative)
- Slates or white boards with chalk or markers (one per student)
- ✓ Rulers (standard/metric)
- Protractors (1 per student)
- Safety compass (1 per student)
- ✓ Stop watch (1 per teacher)
- Calculators – TI-15 (1 per student) and overhead calculator to match student (1 per teacher)

One Per Grade (class sets)

- Geoboards (1 per student) (2 sided for 4th grade)
- Pentominoes (1 set per student)
- Tangrams (1 set per student)
- Money (plastic coins and play bills)
- Fraction circles (1 set per student) (2 classroom sets per grade level)
- Fraction strips (1 set per student) (2 classroom sets per grade level)
- Hinged mirrors (1 per student)
- Dominoes, double nines (1 set per 2 students)
- Polyhedrons (8 starter sets per class)
- Geometric solids (2 sets)
- Attribute blocks (1 set per 2 students)
- Metric/standard measuring devices
 - *Tape measurers (1 per 2 students)
 - *Yard and meter sticks
 - *Rulers
 - *Measuring cups and spoons
 - *1 - liter pitcher (& cube), gallon, quart and pint jars
 - *Weights
 - *Primary Balance set (including metric weights)
 - *Platform scale (to measure liquid or solid)
 - *Thermometers, Celsius/Fahrenheit

One per school

- Trundle wheel (metric and standard)
- Cuisenaire rods (1 set per student)

Suggested sources:

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| Nasco Math: www.eNasco.com | 800-558-9595 (less expensive) | fax: 209-545-1669 |
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| Educators Outlet www.educatorsoutlet.com | 800-315-2212 | fax: 866-254-5786 |
| EAI Education www.EAIeducation.com | 800-770-8010 (less expensive) | fax: 201-891-5689 |
| Summit Learning www.summitlearning.com | 800-777-8817 | fax: 800-317-2194 |
| Didax Educational Resources www.didaxinc.com | 800-458-0024 | fax: 800-350-2345 |
| Ideas, strategies and activity books: | | |
| NCTM Resources www.NCTM.org/catalog | 800-235-7566 | fax: 703-476-2970 |
| McGraw/Hill Wright Group www.WrightGroup.com | 800-648-2970 | fax: 800-593-4418 |

Suggested Manipulatives List for Grades 5-6

Needed in Each Class

- Pattern blocks (*5th and 6th*)
- Centimeter cubes (1000 per class) (*5th and 6th*)
- Base-10 blocks (commercial or plastic canvas) (*5th and 6th*)
- Metric/standard Rulers (*5th and 6th*)
- Two color counters (*5th and 6th*)
- Dice (many - regular and polyhedral) (*5th and 6th*)
- Geoboards (25-pin) with bands (one per student) (*5th and 6th*)
- Fraction Circles, Fraction Factory, Fraction Towers, Cuisenaire Rods (at least one model) (*5th and 6th*)
- Calculators (one per student) TI-15 OR TI-73 graphing calculators (*5th and 6th*)
- Overhead calculator to match student (one per teacher) (*5th and 6th*)
- Slates or white boards with chalk or markers (*5th and 6th*)

One Set per Grade Level

- Yard and meter sticks (10 -15 per set) (*5th and 6th*)
- Safety compasses (*6th*)
- Protractors and/or angle rulers (*6th*)
- Unifix or linker cubes (25-30 per student) (*5th and 6th*)
- Tangrams (one set per student) (*5th and 6th*)
- Polygon tiles (*5th*)
- Geometric solids (*5th*)
- Nets for geometric solids (*5th*)
- Pentominoes (*5th*)
- Spinners (*5th and 6th*)
- Algebra tools such as Hands-on-Equations (*5th and 6th*)
- Number tiles (*5th and 6th*)

One Set in the School

- Measuring cups and spoons (*6th*)
- 1-liter pitcher (*6th*)
- Gallon, quart, pint and cup jars (*6th*)
- Weights (*6th*)
- Scales (rocker or pan balance, diet, pull-spring, postal, bathroom) (*6th*)
- Money (plastic coins and play bills) (*5th and 6th*)
- Dominoes, double-nines (*5th and 6th*)

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* See district curriculum maps for specific resources