

Math Curriculum* 数学课程*

* Based on "Elementary Math Curriculum" published by Beijing Educational Science Research Institute

* 本课程设计是根据“北京教育科学研究院”编著的六年制小学试验课本编写

Grade / 年级	arithmetic / 算术	geometry / 几何	others / 其他
Pre-S	Math readiness: counting (1-10), one-to-one correspondence, sequencing 五或十以内数数, 一一对应关系, 排顺序		
Pre-K	Math readiness: counting (1-20), grouping, categorizing, one-to-one correspondence, sequencing, cause & effect 十或二十以内数数, 分组分类, 一一对应关系, 排顺序, 简单因果逻辑关系		
K	Math readiness: counting (1-100), grouping, sequencing, simple addition, 一百以内数数 (视个人情况增减), 分类, 排序, 简单加法	common shapes & colors 常见图形、颜色的辨认	
1st grade	1. Addition/subtraction within 10 10 以内数的认识和加减法 2. Addition/subtraction within 20 with regrouping 20 以内的进位加法和退位减法 3. Two-step addition/subtraction within 20 20 以内加减两步式题 4. Addition/subtraction within 100, two-digit plus/minus one-digit, two-digit plus/minus two-digit, etc. 100 以内的加减法; 两位数加减一位数; 两位数加减两位数; 连加; 连减; 加减混合	Systematic introduction of shapes 图形的认识	Monetary system 钱的认识

<p>2nd grade</p>	<ol style="list-style-type: none"> 1. Word problem 应用题 2. Multiplication Table 九九乘法表 3. Division - using multiplication table to obtain quotient 除法 - 用乘法口诀求商 4. Division - with remainder 除法 - 有余数的除法 5. Addition/subtraction within 10,000 - mental calculation, abacus 万以内的加减法 - 口算、笔算、珠算 	<ol style="list-style-type: none"> 1. line & line segment 直线与线段 2. angle 角 	<ol style="list-style-type: none"> 1. measurement & unit 测量与单位 2. time: hour, minute, & second 时、分、秒
<p>3rd grade</p>	<ol style="list-style-type: none"> 1. Multiplication problems where one multiplicator is one-digit 一个乘数是一位数的乘法 2. Division problems where the divisor is one-digit 除数是一位数的除法 3. Two-step word problem 两步应用题 4. The issue of "fold" 倍的应用 5. Addition/subtraction of multiple-digit, laws of addition 多位数的加减法、加法运算定律 6. Multiplication problems where multiplier is 2- or 3-digit 乘数是二、三位数的乘法 7. Mixed calculation 混合运算 	<ol style="list-style-type: none"> 1. Rectangle & square 长方形和正方形 	<ol style="list-style-type: none"> 1. measurement & unit 测量与单位

4th grade	1. Division problems where the divisor is two-digit 除数是两位数的除法 2. Mixed calculation & word problems 混合运算和应用题 3. Fraction 分数的认识 4. Decimal fraction 小数的认识	1. The measurement of area 面积 2. Intersect and parallel 相交与平行	1. Year, month, day 年、月、日 2. Basic statistics 统计的认识
5th grade	1. Multiplication/division of decimal fraction 小数的乘除 2. Addition/subtraction/multiplication/division of decimal fraction 小数的四则混合运算 3. Division with no remainder 数的整除 4. Nature and calculation of fraction 分数的意义、性质和加减	1. Parallelogram, triangle, trapezoid 平行四边形、三角形、梯形 2. Cuboids & cubes 长方体、正方体	
6th grade	1. Multiplication/division of fraction 分数乘法、除法 2. Addition/subtraction/multiplication/division of fraction 分数四则混合运算 3. Percentage 百分数 4. Ratio 比和比例 5. Overall Review 总复习	1. Perimeter and area of a circle 圆的周长和面积 2. Cylinder & cone 圆柱和圆锥	1. Graph of statistics 统计图