

Main Criteria: Forward Education
Secondary Criteria: Common Core State Standards
Subjects: Mathematics, Science, Technology Education
Grades: 3, 4, Key Stage 1, Key Stage 2

Forward Education

Powering the Future with Wind Energy

Common Core State Standards

Mathematics

Grade 3 - Adopted: 2010

STRAND / DOMAIN		Mathematical Practices
CATEGORY / CLUSTER	CCSS.Math.Practice.MP1	Make sense of problems and persevere in solving them.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP2	Reason abstractly and quantitatively.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP3	Construct viable arguments and critique the reasoning of others.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP4	Model with mathematics.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP5	Use appropriate tools strategically.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP6	Attend to precision.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP7	Look for and make use of structure.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP8	Look for and express regularity in repeated reasoning.
STRAND / DOMAIN		Number and Operations in Base Ten
CATEGORY / CLUSTER	CCSS.Math.Content.3.NBT.A	Use place value understanding and properties of operations to perform multi-digit arithmetic.

STANDARD	CCSS.Math.Content.3.NBT.A.2	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.
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**Common Core State Standards
Mathematics
Grade 4 - Adopted: 2010**

STRAND / DOMAIN		Mathematical Practices
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CATEGORY / CLUSTER	CCSS.Math.Practice.MP1	Make sense of problems and persevere in solving them.
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CATEGORY / CLUSTER	CCSS.Math.Practice.MP2	Reason abstractly and quantitatively.
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CATEGORY / CLUSTER	CCSS.Math.Practice.MP3	Construct viable arguments and critique the reasoning of others.
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CATEGORY / CLUSTER	CCSS.Math.Practice.MP4	Model with mathematics.
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CATEGORY / CLUSTER	CCSS.Math.Practice.MP5	Use appropriate tools strategically.
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STRAND / DOMAIN		Number and Operations in Base Ten
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CATEGORY / CLUSTER	CCSS.Math.Content.4.NBT.B	Use place value understanding and properties of operations to perform multi-digit arithmetic.
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STANDARD	CCSS.Math.Content.4.NBT.B.4	Fluently add and subtract multi-digit whole numbers using the standard algorithm.
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STRAND / DOMAIN		Measurement and Data
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CATEGORY / CLUSTER	CCSS.Math.Content.4.MD.B	Represent and interpret data.
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STANDARD	CCSS.Math.Content.4.MD.B.4	Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Solve problems involving addition and subtraction of fractions by using information presented in line plots. For example, from a line plot find and interpret the difference in length between the longest and shortest specimens in an insect collection.
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