

Essential Element Alignment SAMPLE—Math Grades 5, 8, and 9

5th Grade—Measurement and Data

CLUSTER: Convert like measurement units within a given measurement system.		Styer-Fitzgerald Program for Functional Academics			
Target Essential Element		Skill Area	Long-Term Goal	Short-Term Objective	Notes
5.MD.1.a	Tell time using an analog or digital clock to the half or quarter hour.	Time Telling: Using a Schedule	Use a schedule to go through daily activities.	Match the time on an analog clock to a schedule and identify the activity.	All programs directly meet the requirements of this standard.
		Time Telling: Matching Time (Analog)	Use a schedule to go through daily activities.	Match pictures of clock faces to a real clock.	
		Time Telling: Digital Time	Tell digital time.	Tell digital time with ___ (e.g., 50%) accuracy.	
		Time Telling: By Hours (Analog)	Tell time on an analog clock.	Tell time by one-hour increments.	
		Time Telling: By Half Hours (Analog)	Tell time on an analog clock.	Tell time by half-hour increments.	
		Time Telling: By Quarter Hours (Analog)	Tell time on an analog clock.	Tell time by quarter-hour increments.	

8th Grade—Expressions and Equations

CLUSTER: Analyze and solve linear equations and pairs of simultaneous linear equations.		Styer-Fitzgerald Program for Functional Academics			
Target Essential Element		Skill Area	Long-Term Goal	Short-Term Objective	Notes
8.EE.7	Solve simple algebraic equations with one variable using addition and subtraction.	Money Math: Adding Prices	Use a calculator/app to add and subtract prices of items.	Use a calculator/app to add ___ (e.g., 5) prices.	All programs directly meet the requirements of this standard.
		Money Math: Subtracting Prices	Use a calculator/app to add and subtract prices of items.	Use a calculator/app to subtract ___ (e.g., 5) prices.	
		Money Math: Using a Prepaid Shopping Card	Use a calculator/app to manage a balance.	Use a calculator/app to subtract ___ (e.g., 3) prices and record the amount.	
		CBT: Grocery Shopping with a Calculator	Purchase grocery items and use a calculator to add prices.	Use a calculator to add ___ (e.g., 2-4) grocery items.	

9th Grade—Number and Quantity

CLUSTER: Perform arithmetic operations with complex numbers.		Styer-Fitzgerald Program for Functional Academics			
Target Essential Element		Skill Area	Long-Term Goal	Short-Term Objective	Notes
N-CN-2.b	Solve real-world problems involving addition and subtraction of decimals, using models when needed.	Money Math: Adding Prices	Use a calculator/app to add and subtract prices of items.	Use a calculator/app to add ___ (e.g., 5) prices.	All programs directly meet the requirements of this standard.
		Money Math: Subtracting Prices	Use a calculator/app to add and subtract prices of items.	Use a calculator/app to subtract ___ (e.g., 5) prices.	
		Money Math: Using a Prepaid Shopping Card	Use a calculator/app to manage a balance.	Use a calculator/app to subtract ___ (e.g., 3) prices and record the amount.	
		Budgeting and Banking: Making Deposits	Deposit cash and checks into a bank account.	Correctly fill out a deposit slip when depositing checks and cash into a bank account.	
		Budgeting and Banking: Transferring Money	Deposit, withdraw, and transfer money to/from checking/savings account.	Determine adequate funds and transfer money to leave a positive balance in checking.	
		Budgeting and Banking: Managing Finances	Manage finances by budgeting and paying bills.	Write checks to pay bills.	
		CBT: Grocery Shopping with a Calculator	Purchase grocery items and use a calculator to add prices.	Use a calculator to add ___ (e.g., 2-4) grocery items.	