

**Pacing Guide:**

Approximate Time	Critical Concept Unit	Benchmarks	Critical Concept Unit Overview – Level 3.0
1st Quarter	16 days	0 Introduction to Financial Algebra	The student will: Topic 1: Extend previous knowledge of operations of fractions, percentages and decimals to solve real-world problems involving money and business. Topic 2: Extend previous knowledge of ratios and proportional relationships to solve real-world problems involving money and business. Topic 3: Solve real-world problems involving weighted averages using spreadsheets and other technology. Topic 4: Identify and interpret parts of an equation or expression that represent a quantity in terms of a mathematical or real-world context, including viewing one or more of its parts as a single entity. The student will: Topic 1: Interpret data distributions represented in various ways. State whether the data is
	12 days	1 Discretionary Expenses	MA.912.AR.1.1 MA.912.AR.1.2 MA.912.FL.1.1 MA.912.FL.1.2 MA.912.FL.1.3 MA.912.DP.1.2 MA.912.DP.2.4 MA.912.DP.5.11 MA.912.FL.1.1



The student will:

Topic 1: Identify and interpret parts of an equation or expression that represent a quantity in terms of a mathematical or real-world context, including viewing one or more of its parts as a single entity.

Topic 2: Rearrange equations or formulas to isolate a quantity of interest.

Topic 3: Given a mathematical or real-world context, write and solve problems involving arithmetic sequences.

Topic 4

13
days

2
Banking
Services

[MA.912.AR.1.1](#)
[MA.912.AR.1.2](#)
[MA.912.AR.10.1](#)
[MA.912.FL.1.1](#)
[MA.912.FL.3.1](#)
[MA.912.FL.3.2](#)
[MA.912.FL.3.11](#)
[MA.912.NOS.1.1](#)
[MA.912.NSO.1.2](#)



Approximate Time	Critical Concept Unit	Benchmarks	Critical Concept Unit Overview – Level 3.0
2 nd Quarter	16 days 3 Consumer Credit	MA.912.AR.1.1 MA.912.AR.2.5 MA.912.AR.10.1 MA.912.AR.10.2 MA.912.FL.1.1 MA.912.FL.3.5 MA.912.FL.3.6 MA.912.FL.3.7 MA.912.FL.3.8 MA.912.FL.3.10	The student will: Topic 1: Identify and interpret parts of an equation or expression that represent a quantity in terms of a mathematical or real-world context, including viewing one or more of its parts as a single entity. Topic 2: Solve and graph mathematical and real-world problems that are modeled with linear functions. Interpret key features and determine constraints in terms of the context. Topic 3: Given a mathematical or real-world context, write and solve problems involving

Topic 4: Fit a linear function to bivariate numerical data that suggests a linear association and interpret the slope and y-intercept of the model. Use the model to solve real-world problems in terms of the context of the data.

Topic 5: Given a mathematical or real-world context, write and solve problems involving geometric sequences.

Topic 6: Given marginal and conditional relative frequencies, construct a two-way relative



Mathematics for Data and Financial Literacy – Course Code: 1200384

1 0 2 T w 0 . 2 9 8 0 2 0 1 0 . 9 8 INTX 0 2 CHARLOTTE 4 7





15
days

8
The Stock
Market

[MA.912.DP.1.2](#)
[MA.912.DP.2.4](#)
[MA.912.DP.5.11](#)
[MA.912.FL.1.1](#)
[MA.912.FL.1.2](#)
[MA.912.FL.4.6](#)

The student will:

Topic 1: Interpret data distributions represented in various ways. State whether the data is numerical or categorical, whether it is univariate or bivariate and interpret the different components and quantities in the display.

Topic 2: Fit a linear function to bivariate numerical data that suggests a linear association and interpret the slope and y-intercept of the model. Use the model to solve real-world problems in terms of the context of the data.

Topic 3: Evaluate reports based on data from diverse media, print and digital resources by interpreting graphs and tables; evaluating data-based arguments; determining whether a valid sampling method was used; or interpreting provided statistics



Approximate Time	Critical Concept Unit	Benchmarks	Critical Concept Unit Overview – Level 3.0
4 th Quarter	15 days	10 Planning for Retirement	



Optional Projects

- x **Taxes** (Unit 6)
- x **Credit Cards** (Unit 3)
- x **Insuring Your Car** (Unit 4)
- x **Painting the Picture of Retirement** (Unit 10)
- x **The Beginning** (Unit 1)
- x **Do Goals Match Reality?** (Unit 10/Unit 11)
- x **What Are You Doing for the Rest of Your Life?** (Unit 10)
- x **V-A-C-A-T-I-O-N** (Unit 1)