Attachment 7 – Academic and Exit Standards

The Excel Center's academic content is aligned with the Indiana College and Career Readiness Standards and uses these standards throughout its coursework and lesson plans. All standards were deconstructed and opportunities for integrating courses were utilized to make the content explicit and meaningful.

Students who graduate The Excel Center are expected to complete all high school graduation requirements for the State of Indiana as established by the Indiana Department of Education. All students are encouraged to work towards a Core 40 diploma. Students will earn credit hours by successfully demonstrating mastery over the standards established in each course. Teachers assess mastery by monitoring student work and evaluating their growth. By integrating coursework across domains, some course offerings allow students to earn multiple credits through the work of one class. Each class is mapped to indicate which credits apply toward a Core 40 diploma and students earn credit by demonstrating satisfactory completion of a course and earning a passing grade higher than a D in that course.

In addition to all requirements set forth by the Indiana Department of Education, students at The Excel Center are expected to complete the following four courses:

1. American Studies A
2. American Studies B
3. Financial Foundations
4. Algebra II

Standards for these courses are included below. Because they are combinations of multiple courses, the standards for American Studies A and B and Financial Foundations are listed on a lesson-by-lesson basis to demonstrate the combinations of courses in The Excel Center model. Students are evaluated on their mastery of the standards listed in each course.

American Studies A Course Mapping

	Content	E/LA 11-12	US
Day 1	Forms of Gov't Style Prompt	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	1.1-1.2
Day 2	US Revolution Thomas Paine Dec. of Independence	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	1.1, 1.2
Day 3	Federalist Papers 1984	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	1.1, 1.2
Day 4	Legislative Branch	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	
Day 5	Executive Branch Electoral College	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	

Day 6	Judicial Branch Westboro Article Court Cases	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	1.1, 1.2
Day 7	Thematic Essay Push vs. Pull New Colossus	RL.1-4; RV.2-3 RN.1-4; W.1,3,4,6 SL.2-3	2.1, 2.2, 2.3
Day 8	Chinese Exclusion Act Essay	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	2.1, 2.2, 2.3, 3.7
Day 9	Irish Immigrants How to write intros and conclusions	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	2.1, 2.2, 2.3, 3.7
Day 10	Rural vs Urban Poetry (Whitman and Sandberg)	RL.1-4; RV.2-3 RN.1-4; W.1,3,6 SL.2-3	
Day 11	Social Darwinism	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	2.4, 2.5, 3.7
Day 12	Industrial Revolution DBQ	RN.1-4; W.1,3-6 SL.2-3; RL.2-3 RV.2-3	All of 2
Day 13	Finish DBQ Essay Robber Barons Captains of Industry	RN.1-4; W.1,3-6 SL.2-3; RL.2-3 RV.2-3	2.4, 2.5, 3.7
Day 14	Manifest Destiny Westward Expansion	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	2.6
Day 15	Spanish American War Yellow Journalism	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	2.6, 3.6
Day 16	White Mans Burden Things Fall Apart St. Crisipin's Day	RL.1-4; RN.4 W.1,3,6; SL.2-3 RV.2	
Day 17	Mexican American War Battle of the Alamo	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	3.1, 3.2, 3.6
Day 18	14 Points Treaty of Versailles	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	3.3, 3.4, 3.5
Day 19	The impact of imperialism on American music	RL.1-4; RV.2-3 RN.4; W.1,3,6	
Day 20	Progressive DBQ (end with essay)	RN.1-4; W.1,3-6	3.8

		SL.2-3; RL.2-3 RV.2-3	
Day 21	Jacob Riis Upton Sinclair	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	3.8
Day 22	Triange Shirtwaist Factory Fire	RL.1-4; RV.2-3 RN.1-4; W.1,3,6 SL.2-3	3.8
Day 23	Discuss other famous Progressives	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	3.8
Day 24	Diagnostic assessment Re-test		
Day 25	Review for Final Exam		
Day 26	Final Exam pt. 1 (multiple choice and essay)	RL.1-4; RV.2-3; RN.1-4; W.1,3,4,6 SL.2-3	
Day 27	Final Exam pt. 2 (DBQ)	RN.1-4; W.1,3-6 SL.2-3; RL.2-3 RV.2-3	
Day 28	Intro Graphic Novel Project	RL.1-4; W.1-6 RL,2-4; RV.2-3	
Day 29	Plan Graphic Novels	W.1,3-6; RL.2-4 RV.2-3	
Day 30	Work on Graphic Novel	W.1,3-6; RL.2-4 RV.2-3	
Day 31	Work on Graphic Novel	W.1,3-6; RL.2-4 RV.2-3	
Day 32	Finish Graphic Novel	W.1,3-6; RL.2-4 RV.2-3; SL.1-4	

American Studies B Course Mapping

	Content	E/LA	US	CompApp
Day 1	Flapper Culture St. Valentine's Mass	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	1.1, 1.2	2.1-5 4.1-2

Day 2	Age of Excess Great Gatsby HarlemRenaissance	RL.1-4; RN.4 W.1,3,6; SL.2-3 RV.2-3	1.1, 1.2	2.1-5 4.1-2
Day 3	DBQ Great Depress.	RN.1-4; W.1,3-6 RL.2-4; RV.2-3	1.1, 1.2	2.1-5 4.1-2
Day 4	Introductions Conclusions Finish DBQ Essay	RN.1-4; W.1,3-6 RL.2-4; RV.2-3		2.1-5 4.1-2
Day 5	Depression	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3		2.1-5 4.1-2
Day 6	Harvest Gypsies Dust Bowl Prezi	RL.1-4; RN.4 W.1,3,6; SL.1-4 RV.2-3	1.1, 1.2	1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 7	Pearl Harbor Japanese Relocate	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	2.1, 2.2, 2.3	2.1-5 4.1-2
Day 8	Soldiers Experience Life on Home Front Prompt	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	2.1, 2.2, 2.3, 3.7	2.1-5 4.1-2
Day 9	*Terrible Things* Holocaust Victims *Night*	RL.1-4; RN.1-4 RV.2,3; W.1,3,6 SL.1-4	2.1, 2.2, 2.3, 3.7	1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 10	Holocaust Poetry WWII Propaganda	RL.1-4; RN.2-3 RV.2,3; W.1,3,6 SL.1-4	2.1,2.2, 2.3	1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 11	Iron Curtain Truman Doctrine Marshall Plan	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3		2.1-5 4.1-2
Day 12	McCarthyism *The Crucible*	RL.1-4; RN.2-3 RV.2,3; W.1,3,6 SL.1-4	2.4, 2.5, 3.7	2.1-5 4.1-2
Day 13	Platt Amendment Bay of Pigs Cuban Missle Crisis	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	All of 2	2.1-5 4.1-2
Day 14		RL.1-4; RN.4	2.4, 2.2, 3.7	

	Evaluate Kenedy's Decision -- Poster	W.1,3,6; SL.2-3 RV.2-3		1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 15	Intro Vietnam *Things They Carried* Protest Songs	RL.1-4; RN.4 W.1,3,6; SL.2-3 RV.2	2.6	2.1-5 4.1-2
Day 16	Transatlantic Slave Trade Equiano	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	2.6, 3.6	2.1-5 4.1-2
Day 17	Reconstruction Era Black Codes Sharecropping	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3		2.1-5 4.1-2
Day 18	Emmett Till	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	3.1, 3.2, 3.6	2.1-5 4.1-2
Day 19	*To Kill a Mockingbird*	RL.1-4; RN.2-3 RV.2,3; W.1,3,6 SL.1-4		2.1-5 4.1-2
Day 20	Various Civil Rights Groups -- SAS Pics from CRM	RL.1-4; RN.4 W.1,3,6; SL.2-3 RV.2-3	3.3, 3.4, 3.5	1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 21	*Letter from a Birmingham Jail* "I Have a Dream"	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3	3.8	2.1-5 4.1-2
Day 22	Literacy Test Other Minorities Brown v Board	RN.1-4; W.1,3,4,6 SL.2-3; RL.2-3 RV.2-3	3.8	2.1-5 4.1-2
Day 23	Nixon - Present	RN.1-4; W.1,3,6 SL.2-3; RL.2-3 RV.2-3		2.1-5 4.1-2
Day 24	Review for Exam			
Day 25	FINAL EXAM!	RL.1-4; RV.2-3; RN.1-4; W.1,3-6 SL.2-3		2.1-5 4.1-2 7.1-3
Day 26	Intro research	W.1-5		1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2

				5.1-4 6.1-3
Day 27	Begin researching	W.1-5		1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 28	Type Paper	W.1-5		1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3
Day 29	Finish Paper	W.1-5; SL.1-4		1.1-10 2.1-5 3.1-7, 2-7, 5-15 4.1-2 5.1-4 6.1-3

Financial Foundations

	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**
Procedure Topics	-Introduction to class -What is Economics? -Definition of other key terms: resource, consumer, goods, services, capitalism, democracy, meritocracy -Concept of the American Dream	-What is the difference between a need and a want? -What is choice and how is it employed in economic decisions? -What is opportunity cost? -Analysis of cost per use of items students own	-What is money and what function does it have in a society? -How does one calculate interest? -How does one save effectively and what methods of saving exist?	-How does one open a checking or savings account? -How does an individual write a check? -How does an individual balance a checkbook? -What is fractional reserve banking?
Economics	1.1, 1.4, 1.5	1.2, 1.9	6.1, 6.4	6.3
Business Math		1.1.1, 1.1.2, 1.1.3	1.3.1, 3.2.1	
Personal Finance		1.4.2	4.1.2, 6.1, 6.1.2, 6.2.1, 6.3	3.2.1, 3.2.2, 3.3.2

Week Two

Objective: Students will be able to describe and analyze the role of money, banking and financial services in their lives.

	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**
Procedure Topics	-What is credit? -What is a finance charge? -What are the advantages and	-What is online banking? -What are the pros and cons of	-Definitions: supply and demand -What is a shortage and what is a surplus?	-Graphing supply and demand -Determining price from supply and demand

	disadvantages of having a credit card? -What should one look for when registering for a credit card?	doing banking online? -How do online services compare between banks?	-Review concept of producers and consumers -What role do producers and consumers play in the market?	-Definition: equilibrium price -Why might supply and demand change within a market?
Economics	6.6	6.6, 6.7	2.1, 2.3, 2.4	2.1, 2.3, 2.4
Business Math	3.2.8	1.1.1, 1.1.2, 1.1.3, 3.1.3	3.2.1, 3.2.2, 3.2.3, 3.2.4	3.2.1, 3.2.2, 3.2.3, 3.2.4
Personal Finance	3.3.1, 4.2, 4.2.1, 4.2.2	3.3.1		

Week Three

Objective: Students will be able to explain principles of supply and demand and how they affect their personal purchases, using purchasing a car as an example.

	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**
Procedure Topics	-How do supply and demand impact the price of a product? -How does the length and interest of a loan affect monthly payments and overall cost? -Car loan project	-How does an individual make calculations to determine the cost of a major purchase? -What is the difference between leasing and buying a car? -Car loan project	-How does buying compare to leasing a product? -What does it cost to maintain a vehicle, including insurance? -What different types of insurance exist?	-How does one shop for insurance? -How do different types of insurance compare? -What factors influence a person's insurance costs?
Economics	6.4, 6.6	6.4, 6.6		
Business Math	3.2.2, 3.2.3	3.2.2, 3.2.3	2.1.9, 3.2.4	2.1.9, 3.2.4
Personal Finance	4.1.2, 4.1.3	4.1.2, 4.1.3	5.2, 5.2.1, 5.2.2, 5.2.3	5.2, 5.2.1, 5.2.2, 5.2.3

Week Four

Objective: Students will be able to demonstrate an understanding of the way market structures function and how decisions made in the market affect individuals and the larger economy.

	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**
Procedure Topics	-What are the three main types of business organizations? -What are the advantages and disadvantages of each?	-What are the characteristics of competition? -What are the four types of competition? -How do businesses make money?	-What is stock? -What is the stock market? -How does one calculate the value of stock? -What are the risks involved in the stock market?	-How does one do research on a stock? -How does one read a stock table? -Stock Market Simulation
Economics	3.1, 3.2	3.2, 3.4, 3.5, 6.8	6.8	6.8
Business Math			3.2.6, 3.2.7	3.2.6, 3.2.7
Personal Finance	6.3.1	6.3.1	6.3.1, 6.4, 6.4.1, 6.5, 6.5.1	6.3.1, 6.4, 6.4.1, 6.5, 6.5.1

Week Five

Objective: Students will analyze the role government plays in an economy, including regulating the market and the collection and distribution of taxes.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Procedure Topics	-In general, what role does a government play in a capitalistic economy? -What are the limits of government intervention in the economy? -What does the government spend its money on?	-What are the sources of revenue for a government? -How are tax revenues spread out between local, state, and federal budgets? -How are taxes used in an individual's own community?	-What are the differences between progressive, regressive, and proportional taxes? -How does an individual read tax charts and estimate taxes? -What is the difference between gross and net pay?	-What are payroll taxes? -What percentage of a person's salary goes toward Social Security or Medicare? -How does one calculate a sales tax and a discount price?
Economics	4.1, 4.4	4.4, 4.5	4.4, 4.5, 4.6, 4.7, 4.8	
Business Math	6.1.2, 6.1.3, 6.1.5		1.3.1, 2.1.2	2.1.2, 4.1.2, 4.1.3
Personal Finance			3.4.1, 2.3	6.1.1

Week Six

Objective: Students will be able to define GDP and inflation, and demonstrate how individual choice impacts a nation's economy.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Procedure Topics	-What are aggregate supply and aggregate demand? -Define GDP, economic growth, unemployment, and inflation. -How are GDP and economic growth measured?	-What are the limits to using GDP as a measure of economic welfare? -Explain the four phases of the business cycle on a macroeconomic level.	-What effects have major historical events (such as WWII or the IT boom) had on business cycles in the United States? -What is inflation?	-How does inflation impact the choices made by individuals? -What is the difference between cost-push and demand-pull inflation?
Economics	5.1, 5.2	5.3, 5.4	5.5, 5.6	5.7, 5.8
Business Math	1.1.2, 1.1.3, 1.1.4		1.1.2, 1.1.3, 1.1.4. 3.2.7	1.3.1
Personal Finance			3.4.1, 3.4.2, 6.3.2	6.3.2

Week Seven

Objective: Students will be able to define fiscal and monetary policy and the tools used to enforce it, as well as analyze the impact national and individual debt have on a nation's economy.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Procedure Topics	-What is fiscal policy? -What is monetary policy?	-What are the negative effects of unemployment and inflation?	-How does the government impact the level of	-How do we predict future debt based on

	-What are the tools for fiscal/monetary policy, and how are they used?	-How can individuals protect themselves from unemployment and inflation?	unemployment and inflation? -How does the government use fiscal policy to promote employment and growth? -What is the Federal Reserve's role in matters of fiscal policy?	present information? -How will future spending and taxation affect our national debt? -How does fiscal/monetary policy impact the individual (student)?
Economics	7.1, 7.2	7.3, 7.4	7.5, 7.6	7.7, 7.8, 7.9
Business Math	3.2.1-5	3.2.1-5	3.2.1-5, 3.2.7,	3.2.1-5, 1.3.1, 1.3.2
Personal Finance	4, 3.3.3, 3.4, 4.3.1, 6.3.1	4, 3.3.3, 3.4, 4.3.1, 6.3.1	4, 3.3.3, 3.4, 4.3.1, 6.3.1	4, 3.3.3, 3.4, 4.3.1, 6.3.1

Week Eight

Objective: Students will analyze the mechanics of trade within a nation and abroad.

	MONDAY	**TUESDAY**	**WEDNESDAY**	**THURSDAY**
Procedure Topics	-Why is trade beneficial? (individually, nationally, internationally) -What are different ways in which people trade? (cash, stocks, barter, futures, underground economy) -Absolute vs. comparative advantage	-What are barriers to trade? -Why do some countries establish barriers to trade? -Balance of trade vs. balance of payments -How do trade relations affect the American economy?	-Labor productivity in the U.S. vs. the rest of the world -What are exchange rates? -How do exchange rates affect individuals living in the U.S.?	-What is free trade? -Is free trade beneficial or harmful to the global economy? Why? -Who does free trade benefit?
Economics	8.1, 8.2, 8.10	8.3, 8.4, 8.5, 8.10	8.6, 8.7, 8.8, 8.10	8.9, 8.10
Business Math	4.1.4	1.3.1-.5	4.1.6, 1.3.1-.5	
Personal Finance	1.1.1, 1.2			

Algebra II Standards

• AII.CNE.1- Operations with complex numbers	Complex numbers and expressions
• AII.CNE.2- Radicals and exponents	Complex numbers and expressions
• AII.CNE.3- Operations with rational expressions	Complex numbers and expressions
• AII.CNE.4- Equivalent forms of rational expressions	Complex numbers and expressions

• AII.CNE.5- Division of polynomials	Complex numbers and expressions
• AII.CNE.6- Partial sums of arithmetic and geometric series	Complex numbers and expressions
• AII.F.1- Function identification	Functions
• AII.F.2- Composition of functions	Functions
• AII.F.3- Inverse functions	Functions
• AII.F.4- Graphing inverse functions	Functions
• AII.F.5- Graphing composite functions	Functions
• AII.SE.1- System of linear and quadratic equations	System of equations
• AII.SE.2- Systems of three linear equations and three variables	System of equations
• AII.SE.3- Real world application of three variable systems	System of equations
• AII.Q.1- Real world application of quadratics	Quadratics
• AII.Q.2- Completing the square and properties of quadratics	Quadratics
• AII.Q.3- Discriminant and number of solutions	Quadratics
• AII.EL.1- Recursive and explicit arithmetic and geometric sequences	Exponential and logarithmic equations and functions
• AII.EL.2- Graph functions expressed symbolically and show key features of the graph by hand in simple cases	Exponential and logarithmic equations and functions
• AII.EL.3- Rate of change in exponential functions	Exponential and logarithmic equations and functions
• AII.EL.4- Transforming expressions for exponential functions	Exponential and logarithmic equations and functions
• AII.EL.5- Relationship between exponential and logarithmic functions	Exponential and logarithmic equations and functions
• AII.EL.6- Laws of exponents and logarithms	Exponential and logarithmic equations and functions
• AII.EL.7- Real world application of exponential equations	Exponential and logarithmic equations and functions
• AII.PR.1- Solving polynomial equations	Polynomial, rational, and other equations and functions
• AII.PR.2- Graph relations and functions and describe their properties	Polynomial, rational, and other equations and functions
• AII.PR.3- Solve simple rational and radical equations in one variable	Polynomial, rational, and other equations and functions
• AII.DSP.1- Make inferences from sample surveys, experiments, and observational studies	Data analysis, statistics, and probability
• AII.DSP.2- Use technology to model bivariate data and interpret the correlation coefficient	Data analysis, statistics, and probability
• AII.DSP.3- Identify and interpret measures of central tendency and variation in a data set	Data analysis, statistics, and probability
• AII.DSP.4- Apply theoretical models of probability to interpret random events	Data analysis, statistics, and probability
• AII.DSP.5- Identify and apply concepts of dependent and independent events	Data analysis, statistics, and probability
• AII.DSP.6- Multiplication counting principle, permutations and combinations	Data analysis, statistics, and probability