Farmpreneurs:
Cultivating the Next
Generation of Entrepreneurs
with School Gardens

Maximize "real-world" entrepreneurial opportunities for K-12 students through school-run farmers markets and financial literacy and turn their school garden program into a student-run business!





### **Your Presenters**





Christy Carlson
Director of Business Development
christy@greenourplanet.org



**Diana Marutyan** 

Farmer Educator & Master Storyteller dianam@greenourplanet.org



### Agenda





- About the Farmpreneur Program
- Financial Literacy Curriculum
- Preparing for Student-Run Markets







## Objective

Attendees will learn how to maximize "real-world" entrepreneurial opportunities for K-12 students through school-run farmers markets and financial literacy and turn their school garden program into a student-run business.





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### **About Green Our Planet**





### What We Do

We teach students to love and care for our planet through comprehensive STEM school garden and hydroponics programs throughout the United States.

We use gardens as a portal for understanding both life on Earth and our place in the universe.







#### GARDENCONNECT

Garden STEM Program

#### GENERAL DESCRIPTION

Green Our Planet's Outdoor Garden STEM Program, GardenConnect, provides you with everything needed for teachers to successfully run their own outdoor garden program.





- Green Our, Planet's PreK-5 Garden STEM Curriculum, MS-HS Health Curriculum, and K-12 Financial Literacy Lessons
- Access to Green Our Planet's Virtual Academy video lessons
- A digital library of resources, guides, printables, and

#### Community:

- Membership to Green Our Planet's Magic Garden Portal
- Connection to teachers across the nation teaching STEM using outdoor aardens +

- Live, online support from our expert team of coaches for one year.
- Access to 16+ topics of online workshops for teachers



Scan for grant application



Visit us at: www.greenourplanet.org



the Universe through School Gardens

#### HYDROCONNECT

Green Our Planet's Hydroponic

STEM Program

#### GENERAL DESCRIPTION

Green Our Planet's HydroConnect provides you with everything needed to run a successful hydroponics program in your school. All necessary start-up materials and teacher supports are provided.



#### PROGRAM PACKAGE

#### Our HydroConnect Program Includes:

#### Content:

- Nineteen, 12-pod Deep Water Culture Hydroponics systems One large Commercial Hydroponics System (216 planting pads)
- Green Our Planet's K-12 Hydroponics STEM Curriculum, MS-HS Health Curriculum, K-12 Financial Literacy Lessons, and Culturally Responsive Hydroponics Curriculum Framework
- Access to Green Our Planet's Virtual Academy video lessons
- A digital library of resources, guides, printables, and more
- Membership to Green Our Planet's Magic Garden Portal
- Connection to teachers across the nation teaching STEM using hydroponics

#### Coaching:

- Five hydroponics training workshops for teachers included
- Access to 16+ topics of online workshops for teachers

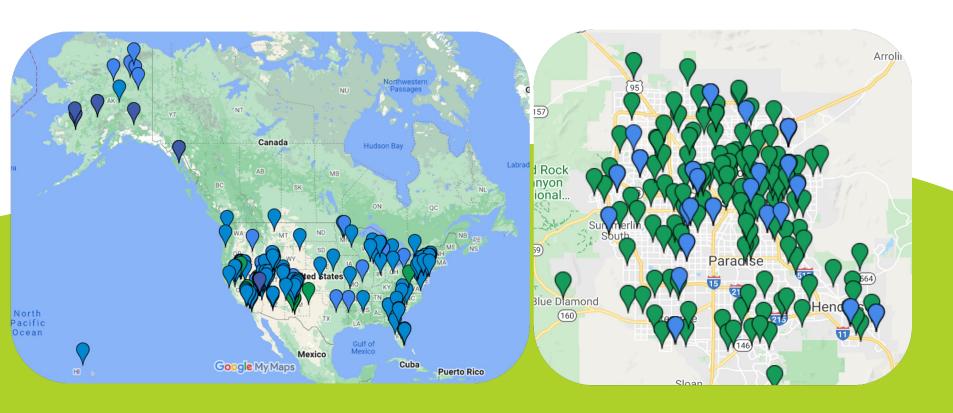
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## 297+ schools, impacting 160,000+ students







01

# About the Farmpreneur Program

### Farmpreneur Program



In the program students learn:



How to become an entrepreneur

\* Budgeting

Role of banks

Marketing

Customer service

Cash handling







entrepreneurship, but also provide healthy fruits and vegetables to the students' parents and local communities.

### **Students are Entrepreneurs**



A teacher reported that "tying the market to their experience of writing their business plans helped them understand the value of marketing, presentation, pricing, and handling money responsibly. The students had a more global view of how the market worked and how customer service impacted the success of our sales."





"I didn't think we'd make that much money but we had like a caseful, so I'm very happy. That was one of the best days I've ever had and it was really fun."

-Amath, a 5th Grader at Bracken Elementary



03

### Financial Literacy Curriculum

### **3rd-5th Grade Financial Literacy Curriculum**

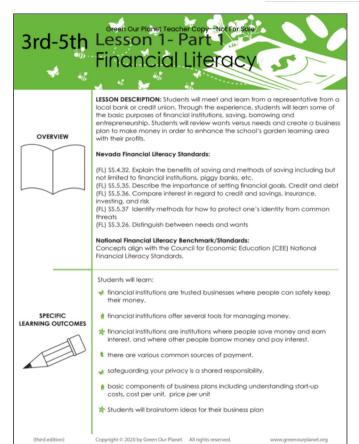


3rd-5th	Lesson 1- Part 1	3rd-5th	Green our Planet Teacher Lesson 1 - Pa Financial L	3rd-5th	Lesson 2 Part 1 Financial Liter	3rd-5th	Creatiour Planet Teacher Copy - Not For Sale / Lesson 2 - Part 2
OVERVIEW	LESSON DESCRIPTION: Students will meet and learn flocal bank or credit union. Through the experience, the basic purposes of financial institutions, saving, be entrepreneurship, Students will review wants versus in plan to make money in order to enhance the school with their profits.  Nevada Financial Literacy Standards:  (FL) SS.4.32. Explain the benefits of saving and meth not limited to financial institutions, piggy banks, etc. (FL) SS.5.35. Compare interest in regard to credit an investing, and risk (FL) SS.5.37 Identify methods for how to protect one threads  (FL) SS.3.32. Identify methods for how to protect one threads  (FL) SS.3.26. Distinguish between needs and wants	OVERVIEW	LESSON DESCRIPTION: Students goods and produce will be sol start-up costs, cost per unit, pri profits.  Nevada Financial Literacy Star (FL) \$5.5.35. Describe the impor (FL) \$5.5.35. Explain the standar (FL) \$5.5.31. Identify methods o spending  National Financial Literacy Ben Concepts align with the Counfinancial Literacy Standards	OVERVIEW	LESSON DESCRIPTION: Students will meet- local bank or credit union. Students will let students will practice customer service st Students will review their business pion. St competition in the marketplace.  Nevada Financial Literacy Standards:  5.E.2 Understand that choices result in be (FL) SS.43.1. Identify methods of payment spending (FL) SS.5.35. Describe the importance of s  National Financial Literacy Benchmark/S Concepts align with the Council for Ecor Financial Literacy Standards	OVERVIEW	LESSON DESCRIPTION: After creating a business plan and learning about business strategy, students will put their skills to the test by organizing and/or participating in a student farmers market on their school campus or at the Green Our Planet Giant Farmers Market. At the market, students will implement their business plan and sell their produce and/or products. Students will implement their business plan and sell their produce and/or products. Students will practice skills associated with lessors they have received about start-up costs, cost per unit, price per unit, operating budgets, expenses, and profits.  Nevada Financial Literacy Standards:  5.E.2 Understand that choices result in benefits or consequences. (FI,) SS.4.3.1. Identity methods of payment for goods and services. Savings and spending (FI,) SS.5.3.5. Describe the importance of setting financial goals. Credit and debt. Concepts align with the Council for Economic Education (CEE) National Financial Literacy Standards
	National Financial Literacy Benchmark/Standards: Concepts align with the Council for Economic Educ Financial Literacy Standards.	SPECIFIC LEARNING OUTCOMES	Students will:     learn the components of B costs, cost per unit, and pr	SPECIFIC LEARNING OUTCOMES	Students will learn:  will learn how customer service and business.	SPECIFIC LEARNING OUTCOMES	Students will:  y gain real life experience by implementing their Business Plans, including understanding start-up costs, cost per unit, and price per unit.
SPECIFIC LEARNING OUTCOMES	Students will learn:  # financial institutions are trusted businesses where their money.  financial institutions offer several tools for manage		♠ create a business plan for ☆ learn about Sources of Pa		<ul> <li>will learn about different methods of</li> <li>will practice Customer Service and S</li> <li>will brainstorm marketing and signag</li> <li>will review the class business plan.</li> </ul>		accept different Sources of Payment at their market.  practice Customer Service and Sales skills.  do observe the effects of their marketing on the success of their farmers market business.
	financial institutions are institutions where people interest, and where other people borrow money there are various common sources of payment.     safeguarding your privacy is a shared responsibility of basic components of business plans including uncosts, cost per unit, price per unit.     Students will brainstorm ideas for their business p	TIME	Lesson 1 – Part 2 – Business Plar This plan will take several days financial institution volunteer re	TIME	55 minutes	TIME	Onsite School Farmers Market times will vary set by school Giant Farmers Market Events typically run 9AM to 1PM – including set up and transportation to and from the event
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## 3rd-5th Grade Financial Literacy Curriculum Lesson 1 Part 1: Introduction to Concepts



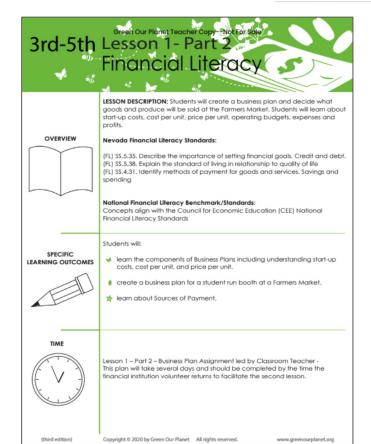
- ☐ Lesson plans (PDFs)
- Business plan template
- □ PowerPoint
- Chromebook
- ☐ Handouts
- □ Science notebooks
- Pencils



## 3rd-5th Grade Financial Literacy Curriculum Lesson 1 Part 2: Writing a Business Plan



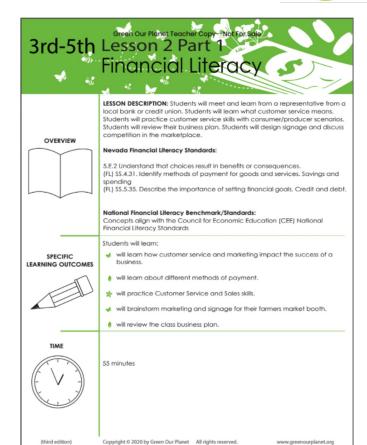
- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
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## 3rd-5th Grade Financial Literacy Curriculum Lesson 2 Part 1: Customer Service & Payments



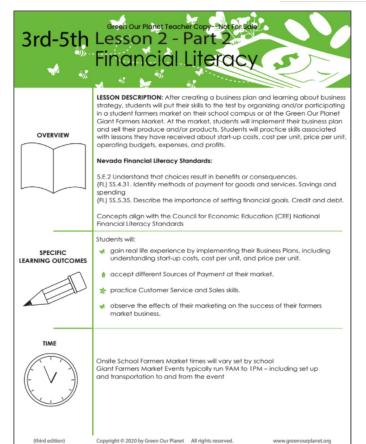
- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
- □ Chromebook
- ☐ Handouts
- □ Science notebooks
- ☐ Pencils



## 3rd-5th Grade Financial Literacy Curriculum Lesson 2 Part 2: Going to the Market



- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
- □ Chromebook
- ☐ Handouts
- □ Science notebooks
- Pencils



### Middle School Financial Literacy Curriculum

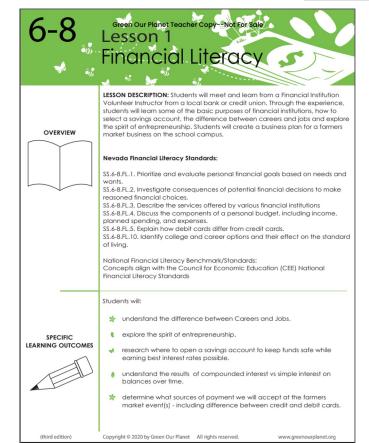


Students will:  Students will:  Students will:  Notional Financial Literacy Benchmark/Standards:  Concepts align with the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council for Economic Education (CEE) National Financial Literacy Standards  Students will the Council Council Literacy Standards  Students will the Council Literacy Standards  Students will the Council Literacy Standards  Students will the Coun	OVERVIEW	Lesson 1  Financial Literacy  Lesson 1  Financial Literacy  Lesson 2  Lesson 2  Lesson 3  Lesson 3  Lesson 3  Lesson 4  Lesson	6-8  OVERVIEW	LESSON DESCRIPTION: Students will meet and learn from a Financial Institutive Volunteer instructor from a local bank or credit union. Through the experie students will learn some of the basic purposes of financial institutive Volunteer instructor from a local bank or credit union. Through the experie students will learn some of the basic purposes of financial institutions, how select a savings account, the difference between careers and jobs and et the spirit of entrepreneurship. Students will create a business plan for a formariset business on school campus using a formal business plan that will indistartup cost details.  Students will also learn the effects of compounded interest and how to be approach comparison shopping to select a savings account at a financial institution for their farmers market business.  Nevada Financial Ulteracy Standards:  S.S.A.B.L.1. Prioritize and evaluate personal financial goals based on needs wants.  S.A.B.L.2. Investigate consequences of potential financial decisions to make the control of the properties o	OVERVIEW	LESSON DESCRIPTION: Students will meet and learn from a Financial Institution Volunteer instructor from a local bank or credit union Through the experience, students will learn some of the basic purposes of financial institutions and explore the spirit of entrepreneursing. Students will create a business plan for a dramers market business on school campus using a formal business plan that will include startup cost details.  Students will also learn the importance of customer service to a business and how service and sales are interdependent.  Nevada Financial Literacy Standards:  SS. 4-8-FL.1. Prioritize and evaluate personal financial goals based on needs and wants.  SS. 4-8-FL.1. Describe the services offered by various financial institutions SS. 4-8-FL.4. Discuss the components of a personal budget, including income, planned spending, and expenses.  SS. 6-8-FL.1. Describe the services offered by various financial institutions SS. 6-8-FL.1. Splain how debil cards differ from credit cards.  SS. 6-8-FL.1. Desplain how debil cards differ from credit cards.
	SPECIFIC LEARNING OUTCOMES	understand the difference between Careers and Jobs.  explore the spirit of entrepreneurship.  research where to open a savings account to keep funds safe earning best interest rates possible.  understand the results of compounded interest vs simple intere balances over time.  determine what sources of poyment we will accept at the farr market event(s) - including difference between credit and det		Concepts align with the Council for Economic Education (CEE) National Financial Literacy Standards  Students will learn:  ** debrief the research on how to approach shapping for a savings account to keep funds safe while earning best interest rates possible.  ** introduce components of a business plan for a farmers market busines on campus.  ** determine what sources of payment we will accept at farmers market.		Financial Literacy Standards  Students will:  ** review a completed business plan including marketing and financial aspects of the plan i.e. startup cost, cost per unit and price per unit  ** determine what sources of payment we will accept at farmers market - including difference between credit and debit cards  ** be able to explain the importance of establishing rapport and customer service to a business and how service and sales are

## 6th-8th Grade Financial Literacy Curriculum Lesson 1: Introduction to Concepts



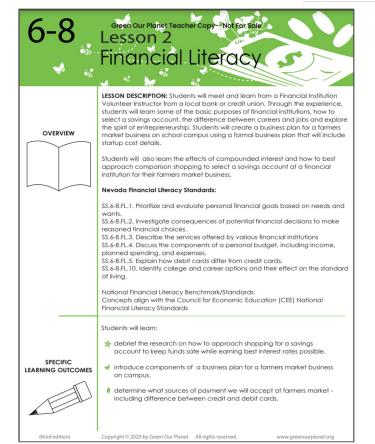
- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
- □ Chromebook
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- □ Science notebooks
- Pencils



## 6th-8th Grade Financial Literacy Curriculum Lesson 2: Writing a Business Plan



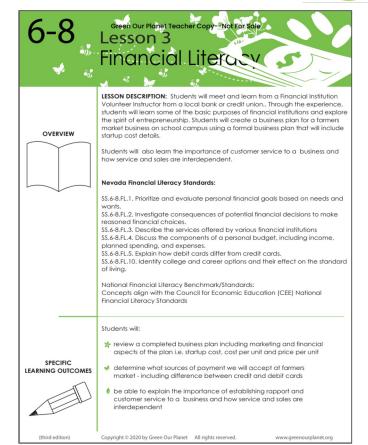
- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
- □ Chromebook
- ☐ Handouts
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- Pencils



## 6th-8th Grade Financial Literacy Curriculum Lesson 3: Going to the Market



- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
- Chromebook
- ☐ Handouts
- □ Science notebooks
- Pencils



### **High School Financial Literacy Curriculum**

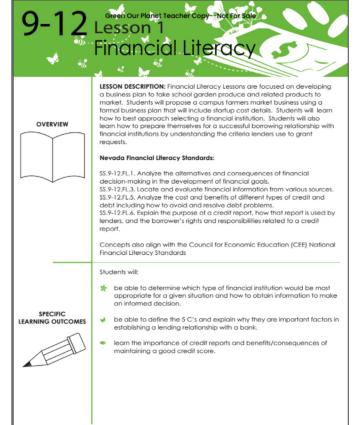


9-12	Lesson 1 Financial Literacy	9-12	Green our Pichet Teacher Copy - Pick For Sale/ Lesson 2 Financial Literacy	9-12	Lesson 3 Financial Literacy
OVERVIEW	LESSON DESCRIPTION: Financial Literacy Lessons are focused on a business plan to take school garden produce and related prod market. Students will propose a campus farmers market business formal business plan that will include startup cost details. Student how to best approach selecting a financial institution. Students learn how to prepare themselves for a successful borrowing relatificancial institutions by understanding the criteria lenders use to g requests.	OVERVIEW	LESSON DESCRIPTION: Financial Literacy Lessons are focused on a a business plan to take school garden produce and related prod market. Students will propose a campus farmers market business formal business plan that will include startup cost details. Student how to best approach selecting a financial institution. Students learn how to prepare themselves for a successful borrowing relatificancial institutions by understanding the criteria lenders use to a requests.	OVERVIEW	LESSON DESCRIPTION: Financial Literacy Lessons are focused on developing a business plan to take school garden produce and related products to market. Students will propose a campus formers market business using a formal business plan that will include start up cost details. Students will large how to best approach selecting a financial institution. Students will also learn how to prepare themselves for a successful borrowing relationship with financial institutions by understanding the criteria lenders use to grant requests.
	Nevada Financial Literacy Standards:		Nevada Financial Literacy Standards:		Nevada Financial Literacy Standards:
	SS.9-12.F.I. Analyze the alternatives and consequences of finant decision-moking in the development of financial goals. SS.9-12.F.I. J. Locate and evaluate financial information from varies SS.9-12.F.L. S. Analyze the cost and benefits of different types of an debt including how to avoid and resolve debt problems. SS.9-12.F.L. Explain the purpose of a credit report, how that repo		\$S.9-12.FL.1. Analyze the alternatives and consequences of finant decision-making in the development of financial goals. \$S.9-12.FL.3. Locate and evaluate financial information from variation of the concepts also align with the Council for Economic Education (C National Financial Literacy Standards		SS,9-12,E.1.1. Analyze the alternatives and consequences of financial decision-making in the development of financial goals. SS,9-12,E1.3. Locate and evaluate financial information from various sources. Concepts also align with the Council for Economic Education (CEE) National Financial Literacy Standards
	lenders, and the borrower's rights and responsibilities related to a report.  Concepts also align with the Council for Economic Education (Ci	SPECIFIC LEARNING OUTCOMES	Review and Debrief results of shopping using one Comparison Shopping Checklist (selected by the teacher to reinforce learning from lesson 1).	SPECIFIC LEARNING OUTCOMES	Review and Debrief results of shopping using one Comparison Shopping Checklist (selected by the teacher to reinforce learnings from lesson 1).
	Financial Literacy Standards		* Students will explore Entrepreneurship		* Students will explore Entrepreneurship
	Students will:  * be able to determine which type of financial institution would		Students will create a business plan and decide what goods produce will be sold at the Farmers Market.		Students will create a business plan and decide what goods and produce will be sold at the Farmers Market.
	appropriate for a given situation and how to obtain informat an informed decision.		<ul> <li>Students will learn about operating budgets, expenses and p</li> </ul>		<ul> <li>Students will learn about operating budgets, expenses and profits.</li> </ul>
SPECIFIC LEARNING OUTCOMES	be able to define the 5 C's and explain why they are importestablishing a lending relationship with a bank.  learn the importance of credit reports and benefits/consequentinalizations a good credit score.	TIME	120 minutes - class time with volunteers - students will work on two assignments - selection of a financial institution to open a busines account and completing a business plan for a proposed farmers	TIME	120 minutes - class time with volunteers - students will work on two assignments - selection of a financial institution to open a business account and completing a business plan for a proposed farmers market
			business on campus. Volunteers will review samples of the two completed assignments with students to reinforce concepts.		business on campus. Volunteers will review samples of the two completed assignments with students to reinforce concepts.
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## 9th-12th Grade Financial Literacy Curriculum Lesson 1: Introduction to Concepts



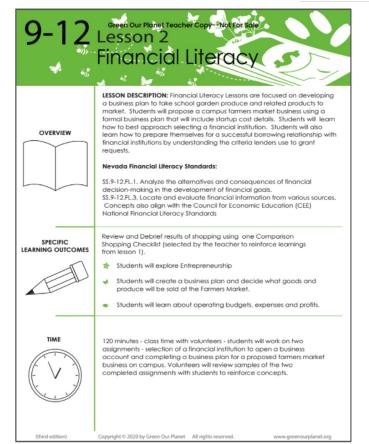
- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
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- ☐ Handouts
- □ Science notebooks
- Pencils



## 9th - 12th Grade Financial Literacy Curriculum Lesson 2: Writing a Business Plan



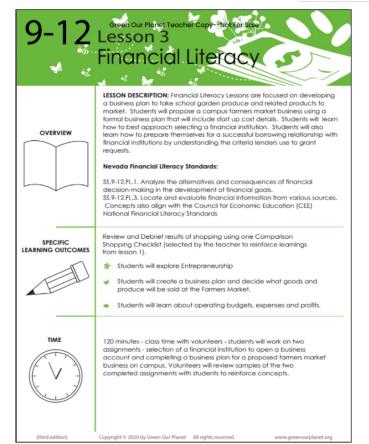
- ☐ Lesson plans (PDFs)
- Business plan template
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- Pencils



## 9th - 12th Grade Financial Literacy Curriculum Lesson 3: Official Documents



- ☐ Lesson plans (PDFs)
- Business plan template
- PowerPoint
- □ Chromebook
- ☐ Handouts
- □ Science notebooks
- Pencils





#### **Business Plan**







04

### Student-Run Farmers Markets

### SCHOOL RUN FARMERS MARKET IDEAS

Join us in celebrating Earth Day on April 22 by hosting an onsite farmers market at your school! Sell fresh produce and crafts any day on the week of April 18th and take photos to share with your school and Green Our Planet.

#### 1.In-person Farmers Market



#### 2. Drive Thru Farmers Market



#### 3. Mail In Farmers Market



Use the cafeteria as a space to sell your garden goods using tables and bins.

Another option is to put produce in a cart and sell it anywhere on the school grounds.

Crafts and games can be another great way to engage the community and raise more money!

Use the drop off/pick up area of your school to sell prepacked produce bags with a set price for an easy way to make garden funds. Another method is to give away produce and have a tip jar available. Make sure to give parents and guardians a heads up via your school website and social media.

Create a catalog or slip with produce that will be available and prices. Have students share with their parents or guardians so they can fill it out the slip from the comfort of their own home. Have students turn in the slip and money. Have them deliver the produce to their parents or guardians within a few days.

For more farmers market ideas and details, please click here.



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#### **Farmers Market Craft Ideas**

What would you buy at a farmers market? Crafts are always a popular and excellent way of obtaining funds for your garden. It is a wonderful opportunity to get more students involved!

O1 Spice, herb. & tea packets

Have students create themed packets using garden produce. Choose what kind of packets you would like students to put together.





02 Mixed fruit/veggie bags

Put together bags with mixed produce and a set price for easy selling.



**03** Garden related crafts

Make birdhouses, bugs using clothespins and pompoms, seed art and much more to sell. They are sure to be a hit!



**04** Homemade cosmetics

Use fragrant herbs to create bath and body products to sell. It is a fun activity for all students!

05 Holiday related crafts

Create cards, postcards, and bookmarks that are themed for any upcoming holidays. Another great idea are flower bouquets put together with colorful ribbon or twine!





### Market Prep/Practice Run

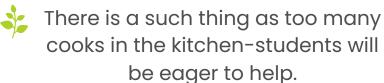


- Have a practice run of harvesting and selling at your school.
- Know what is ready to be harvested and the best way to store it for the market.
- Prepare bags or string for grouping produce beforehand.





### **Suggestions:**



Make a schedule of helpers.

Contact parents of those helpers so they know their child may arrive home late.

### **Week Before Checklist:**



- Go to the garden and determine what is ready to harvest
- Decide pricing with class
- Make signage
- Harvest any seeds and package
- Prepare packaging
- Find everything with wheels and bring to storage room
- Get out harvesting tools
- Package non-food items
- Prep money box
- Prep paperwork folder
- Collect pens and paper
- Communicate with students and parents



## Day of Checklist:



- Meet in garden
- Harvest fresh produce
- Pack/group fresh items
- Store in cooler/pack in rolling containers
- Make sure students have all items (including water)
- Bring emergency backpack





### **THANK YOU Financial** Institution **Partners!**

- America First Credit Union
- Axos Bank
- Bank of America
- Bank of George
- Bank of Nevada
- Charles Schwab Bank
- City National Bank
- Clark County Credit Union

- Fast West Bank
- First Security Bank Kirkwood Bank
- Lexicon Bank
- Meadows Bank
- Nevada State Bank
- Pacific Premier Bank
- US Bank
- Wells Fargo Bank





### **Thank You!**

#### Contact

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dianam@greenourplanet.org

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