



Lesson 6: Get Invested

TOPIC: Buying Decisions

OVERVIEW:

Compounding students' knowledge of **saving** and goal setting, this lesson builds interest by adding an introduction to **investing**. Students will begin to explore basic concepts about how goal setting is connected to investing and saving, and the concept of **risk** and **return** to help money grow over time. Students will explore the concept of saving to build wealth for the future, and will answer questions about real-life scenarios to recognize the value of long-term financial thinking.

Time: 60 min

Supplies:

- Markers, Post-It notes (or paper and tape) for the game
- Whiteboard or chart paper, markers
- Projector (for teacher presentation slides)
- Access to the Internet (optional)

Preparation:

- Make copies of student handout
- Set up projector with presentation slides

Glossary with key vocabulary 11

OBJECTIVES:

1. Explore the basic concepts of investing, including risk and return
2. Compare and contrast several kinds of investments
3. Analyze the savings outcome of several investment options
4. Explain the value of long-term financial planning

HANDOUTS:

- Complete the Story
- Risk and Return
- Money Smart Book

TEACHER PRESENTATION SLIDES:

- Investing Your Money
- Investing: Risk and Return
- Story Problems: Investing
- What Is Inflation?

ESSENTIAL QUESTIONS:

- What is investing?
- Why is it important to have long-term money goals?
- What are the risks and returns of investing?

ASSESSMENT ACTIVITIES:

Pre-Assessment:

- **Handout:** Complete the Story
- **Slide:** Story Problems: Investing

Post-Assessment:

- **Handout:** Risk and Return
- **Handout:** Money Smart Book

Instruction Steps

WARM UP

Introducing the Concept of Investing

20 MINUTES

Review what students learned about setting goals in Lesson 2 by asking them to share a few of their savings goals.

Discuss the following inquiry-driving questions:

- *Why is **saving** money important?* (Saving allows you to have enough money to buy things in the future and to use for emergencies.)
 - *Why is it important to have long-term money goals?* (Long-term money goals help you plan and save for the future.)
- *What is **investing**?* (Investing is spending money with the goal that it will bring a **profit**, or more money, in the future.)
 - *How might investing help you achieve your long-term savings goals?* (Investments can increase in value and provide income. Then I can set aside more money in savings.)
 - *Ask students: What examples can you think of for investing?* (investing money in a company or putting money in an account that earns interest at the bank.)

Share that the class will play a game to explore three types of investments – bonds, certificates of deposit, and stocks. Pass out one sticky note to every student. Tell students that if their birthday is in January through April, to write down **Bond**. Share that the bonds are bought from the government or businesses. When you buy a bond, you're lending money for a set amount of time sometimes up to 30 years. The government or business that you lend your money to will pay it back with interest.

Next if their birthday is in May through August, have students write down **CD** (the acronym for certificates of deposit). CDs are when you deposit a certain amount of money at a bank for a specific amount of time. They generally earn more interest than other types of accounts.

Last, if their birthday is in September through December, have students write down **Stock**. Buying stock is investing in a business. You own a tiny piece of the company.

Have students create groups based on which of the three investments they have been assigned. Next without talking students must decide on a single action to represent their group (e.g., the wave, blinking eyes etc.).

Discuss the activity, starting with the question:

- *What was the hardest part of the activity?* (Students might say the hardest part was not being allowed to talk or seeing how fast they could get into groups.)
- *What do you think was the purpose of the activity?* (to work as a team, to communicate without talking, to get us thinking about investments)

MONEY SMART TIP!

Explain to students that, when they are investing money, they need to be patient. Investments often take time to grow.

GUIDED EXPLORATION

Exploring Investment Options

10 MINUTES

Ask students to share what they know about certificates of deposit (CDs), bonds, and stocks. Display the *Investing Your Money* slide to show the difference between the three investments. Provide students with the *Complete the Story* handout with a cloze passage about each kind of investment.

Investing Your Money

25

The goal of investing is to make money in the future. Here are three different investment options:

CD (Certificate of Deposit)

- When you buy a CD from a bank, you lend money to the bank for a set amount of time. It can be several months or years. At the end, the bank pays you back the money with interest.

Bond

- A bond is a certificate sold by a company or government. When you buy a bond, you lend money to a company or government for a set amount of time. It can be as long as 30 years. The borrower promises to pay your money back with interest. If they are not able to pay the money back, you could lose your money.

Stock

- A stock is a share of a company. When you buy stock in a company, you own a tiny piece of a company. If the company makes a profit, it may share some of those profits with you. Those profits may be called a "dividend." You can also make money by selling your shares to another buyer for more than you paid. But you could also lose money if you have to sell your shares for less money than you paid for them.

Money Smart for Young People Grades 3 - 5

Grade-Level Modification:

Beginner: As a class read the story and complete the passage. Discuss why each investment best fits in its sentence.

Advanced: Have students work in pairs to complete the passage. After they finish the passage have them share which investment type they were given in previous game. With their partner have them share, where would they be bought? Do they earn interest or part of a business's profit?

Understanding Risk and Return

20 MINUTES

INVESTING: Risk and Return 26

Some investments are more risky than others. What is the risk? You could lose your money. But you may also make money. If an investment is low risk, you have a low chance of losing your money. If an investment is high risk, you have a high chance of losing your money. The money you make from an investment is called the return.

CD (Certificate of Deposit)

- CDs are low risk and low return. You won't risk losing any money, but you won't make a lot of money either. For example, you decide to buy a one-year CD for \$1,000. At the end of the year, you might get back \$1,050.

Bond

- U.S. government bonds are low risk and low return. For example, if you buy a U.S. government bond for \$1,000, in 10 years, you might get back \$1,500.
- Company bonds can be high risk and high return. You risk losing your money, but you can also make a lot of money. If you buy a company bond for \$1,000, you might get back more than \$1,500 in 10 years. Or you might lose your money.

Stock

- Stocks can be high risk and high return. You might lose it all, but you might also make a lot of money. For example, you might buy stocks in a company for \$1,000. If the company does not make a profit, you might lose all of your money. If the company makes a big profit, you might be able to sell your stocks and double your money.

Money Smart for Young People Grades 3 - 5

INVESTING: Risk and Return (CONTINUED) 27

Study the line graph below. What does it show? What might "possibility of high return" mean?

Money Smart for Young People Grades 3 - 5

STORY PROBLEMS: Investing 28

The goal of investing is to make money.

Directions: Choose the best answer to each question below.

1. Jay does not like to take risks. He just bought a one-year CD from the bank. He knows it is low risk. How much money will he probably make next year from the CD?
 - a. no money
 - b. a little money
 - c. double his money

Money Smart for Young People Grades 3 - 5

STORY PROBLEMS: Investing (CONTINUED) 29

2. Maya has a lot of money saved and wants to invest some of it. She wants to take a risk with her money so she has a chance of making a lot of money back. She wants to use the money to start her own restaurant one day. What kind of investment should she make?
 - a. stocks
 - b. one-year CD
 - c. U.S. bond
3. Your friend Kelvin asks what you know about company bonds. He is thinking of buying one. He is sure he will make a lot of money if he does. What would you tell him about company bonds?
 - a. They are as safe as U.S. government bonds.
 - b. They can be risky, but you might make a lot of money, too.
 - c. They are known for making almost no money in return.

Money Smart for Young People Grades 3 - 5

As a refresher, ask students what they learned about risk from Lesson 4 and then ask: *How might risk be part of investing?* (Investing is risky because you could lose your money.)

Share the **Risk and Return** slides to illustrate the concepts of risk and return for CDs, bonds, and stocks. Ask students to get back into their earlier investment groups (bonds, CDs, stocks). The bonds may choose if they want to be a government bond or a company bond and divide group appropriately.

Prepare students to play a risk and return freeze dance game. Have the student groups with the greatest risk (company bonds and stocks) sit closest to the teacher (the riskiest spot for being spotted moving in freeze dance).

Next share with students that when the music plays they will do the movement they created as a group earlier (e.g., blinking, the wave, etc.) Play one round and stop music. Any individuals that don't freeze are out.

For the second-round challenge students to do their movement quickly if they are a high return investment and slow if they are a low return investment. **Ask students:** *How did they take risks during the game? Would they be willing to take a greater risk for a greater possible return or reward?*

Then show the **Story Problems: Investing** slides to check for student understanding.

Afterward, have students complete the **Risk and Return** handout that covers these concepts using real-life scenarios. Review as a class.

Ask: *What are the risks and returns of investing?* (Some investments are riskier than others. The risks are that you could lose your money. But you may also make money. The money you make from an investment is called the "return.")

Grade-Level Modifications:

Beginner: Before students solve each problem on the **Story Problems: Investing** slides and **Risk and Return** handout, ask them to share what they remember from the **Risk and Return** slides and the freeze dance game.

Ask students:

- What does low risk mean?
- Which investments have the lowest risk? Why?

Advanced: Ask students to explain the reasoning behind their answers. Have them discuss with a partner which investment type is most interesting to them and why?

WRAP UP

Class Reflection

10 MINUTES

Ask students:

- How can investing help you reach your long-term money goals?
- If you were to recommend an investment to your family what would it be? Why?

The prompts above may be responded to within the **Money Smart Book**, page, a writing journal or completed as a think-pair-share discussion with a peer or small group. Students may keep their **Money Smart Book** for reflection and discussion throughout the lessons. The summary and final product will provide a measurable assessment. Students can also share the book with their parents as a discussion starter about what they have learned.

Extended Exploration

Note: Use the following activities to extend the lesson topic throughout the year. Activities can be completed as a class, in small groups, or during center time. Duration of activities will vary.

What is Inflation?

Inflation is the overall rise in prices. For example, a pound of oranges today costs more money than it did 10 years ago.

A pound of oranges will cost more in the future than it does today. Read the graph to the right to learn more. Then answer the questions.

Average Price of a Pound of Oranges	
2008	\$0.91
2010	\$0.90
2012	\$0.93
2014	\$1.12
2016	\$1.20
2018	\$1.33

1. What was the average price of a pound of oranges in 2008?
2. Which year shows the biggest increase in the average price of oranges?
3. In which years did the average price of oranges get lower?
4. How much more was the average cost of a pound of oranges in 2018 than in 2008?

Money Smart for Young People Grades 3-5

Display the **What Is Inflation?** slide (with a graph showing the overall rise of the average price of a pound of oranges over time), and have students answer the questions. Students may explore how everyday items prices have increased over time.

- Get students thinking about investing by asking them to set a goal. Have students write a story about an investment they made that allowed them to achieve that goal. In addition, they can write about what challenges they might have had along the way.

Answer Key

Student Handout 1:

Complete the Story

My friend Ty is always talking about his long-term money **goals**. He plans to manage his money wisely. When he is older, he wants to **invest** money in several places. First, he says he'll buy a **CD** from the bank so he can earn **interest**. He may also buy a **bond** from the government. Later, he is going to buy **stocks** so he can own shares of a company. If the company makes a big **profit**, he could make a lot of money! But if the company does not, he could **lose** his money. Ty told me that's a chance he'll have to take. One day he might even start his own **company**.

Student Handout 2:

Risk and Return

1. A (Buy a CD or U.S. government bond.), 2. B (Do some more research about stocks. You may also lose your money.), 3. C (stocks and high-risk bonds)



Lesson 6: Get Invested

COMPLETE THE STORY

Name: _____

Directions: Read the passage and fill in each blank with the correct word from the word box.

WORD BOX				
lose	bond	stocks	CD	goals
profit	company	interest	wisely	invest

My friend Ty is always talking about his long-term money _____.

He plans to manage his money _____. When he is older, he

wants to _____ money in several places. First, he says he'll buy

a _____ from the bank so he can earn _____.

He may also buy a _____ from the government. Later, he

is going to buy _____ so he can own shares of a company.

If the company makes a big _____, he could make a lot

of money! But if the _____ company does not, he could

_____ his money. Ty told me that's a risk he'll have to take.

One day he might even start his own _____.



Lesson 6: Get Invested

RISK AND RETURN

Name: _____

The goal of **investing** is to buy something to make money in the future. Some investments are more risky than others.

Directions: Read the three scenarios below. Then fill in the circle for the best answer to each question about investing money.

1. Keisha's mother wants to invest money, but she does not want to risk losing it. She knows that taking a low risk means she might not make that much money. But she is OK with that. What should she do?
 - Buy a CD or U.S. government bond.
 - Invest in stocks or any kind of bond.
 - Put a large amount of money in stocks.
2. If Juan saves \$300, how much money would he have in the bank at the end of the year?
 - Make sure you invest a lot of money. Then you can get rich quickly.
 - Do Some more research about stocks. You may also lose your money.
 - Sounds like a sure thing. You should start picking out your car today.
3. How much money would Juan need to save to receive \$8 of interest after a year?
 - A one-year or five-year CD
 - U.S. government bonds
 - Stocks and high-risk bonds