

Forming Financial Security

Saving, Investing, Credit, Risk Management, and Retirement

Discussion Overview

- 1. Your Personal Relationship with Money & Budgeting
- 2. Build Savings Into your Budget
- 3. The Three Dimensions of Saving
- You Must Begin Saving Right Away!
- 5. The Lesson of John and Jane
- 6. Credit Definitely Dangerous but Potentially Helpful
- 7. Retirement Planning
- 8. Risk Management The Why of Insurance?
- 9. A Model for How to Save
- 10. Wrap Up
- 11. Procrastination

Your Personal Relationship with Money and Budgeting

You Can Achieve Your Reasonable Objectives!

- You Must Set Out to Accomplish Two Objectives:
 - Build a Healthy Relationship with Your Money
 - Keep Five Things Top of Mind:
 - Budget for savings
 - Save/Invest Early and Often
 - Understand and Prepare for Retirement
 - Take Charge of Your Knowledge About and Use of Credit
 - Manage Your Risk

#1 Relationship with Money? Yes!

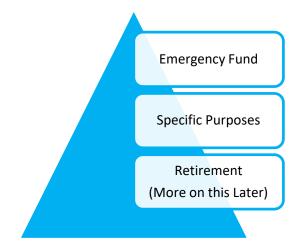
- What do you value?
 - Family?
 - Big Bank Account?
 - Job Satisfaction?
 - Possessions?
 - Security?
 - If More Than One, How Do You Rank Them?
- You Probably Can't Achieve All of Your Preferred Values. You Will Have to Make Choices!
- Your Values Will Inform Your Choices.
- How Much Money is Enough?

#2 Be Sure You Build Saving Into Your Budget- You Have to Plan Personal Financial Independence

- Budget to Spend Less than You Make. Spending Less than Your Income is the Key to Financial Independence.
- Don't Become a Victim of Lifestyle Creep.
- Pay Yourself First.
- Learn to Discern if an Expenditure is a "Want" or "Need"
- Don't be Disappointed if You Sometimes <u>Have</u> to Spend Funds Budgeted for Savings. Just Get Back on Track Next Month.
- Persistently Cut Costs and Save

#3 What Should You Do With the Money You Budget to Save?

There are Three Dimensions to Saving:



 Regular Savings and the Returns Earned on Your Savings Will Make You Independent. But...You Must Try Not to Spend your Savings.

#4 You Have To Start Saving Right Away

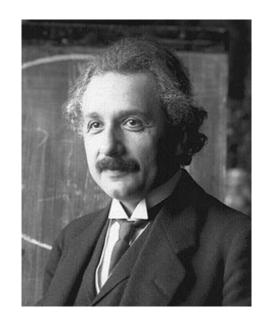
Why?

 The sooner you start to save the more math can work in your favor to maximize your wealth!

LET'S ASK AN EXPERT...

Just Ask Einstein...

"...Compound Interest [or Investment Return] is the Most Powerful Force in the Universe..."



What is Interest (or Return)? How is it earned?

- Money paid to a depositor by a bank, government or corporation in exchange for the deposit
- Two forms:
 - Simple interest is paid to the depositor and not reinvested
 - Compound interest is paid to the depositor and reinvested so that the depositor can earn interest on the original investment AND the interest previously earned.

An Example of Simple Interest

- Invest \$10,000 at 5% annual interest
- At the end of each year you receive \$500 (\$10,000 * .05) interest
- You spend the interest instead of reinvesting it.
- You never have more than \$10,000

An Example of Compound Interest

- Let's say you invest \$10,000 at 5% interest
- At the end of the first year you receive a \$500 interest payment
- You combine your interest payment with the original investment and reinvest \$10,500.
- At the end of year two you receive interest of \$525 which is interest on both the original \$10,000 investment AND the previously earned interest of \$500

\$25 Isn't a Big Deal What Makes Compound Interest So Powerful?

- Time is what makes compound interest powerful
- If you leave that \$10,000 invested for 30 years you would have \$43,219
- In general, you can compute the future value of an investment as follows:
 - FV = C $(1+r)^t$ where C is the invested amount, r is the interest rate and t is the time of the investment
- In the example above $$10,000 (1.05)^{30} = $43,219$

But, If It Takes 30 Years to Make \$10,000 Turn Into \$43,000 How Do I Get Rich?

- The key is systematic or regular investing
- Consider someone who works from age 22 to age 65, 43 years.
- Each year they save \$6,000
- So, in 43 years they would have saved \$258,000
- But, is that their savings balance?
- NO! With 5% compound interest, they would have saved \$857,960.
- The key is systematic or regular investing

What Does it Take To Be a Millionaire?

- Invest regularly
 - \$6,000 per year over a 43 year working life will yield \$1,000,000 at an interest rate of 5.57%
- The good news: In the past 90+ years a market basket of diverse investments has returned about 8%
- At 8% return, that \$6,000 per year will be worth \$1,977,498

Formula For Future Value (FV) of an annuity:

$$FV = Pmt x {(1+r)^n -1}/r$$

Pmt = Annual Investment r = rate of return n = number of compounding periods

#5 The Lesson of John and Jane!

Jane		John
Jane Invests \$6,000 Annually at 8% Return From Age 23 to Age 65		John Invests \$12,000 Annually at 8% Return From Age 44 to Age 65
Jane Invests a Total of \$252,000		John Invests a Total of \$252,000
At Age 65 Jane Will Have \$1,825,461		At Age 65 John Will Have \$605,075
Jane Wins by Starting Early		To Catch Up to Jane, John Needs to Invest \$36,203 per year
Procrastination is NOT an Option		

#6 Credit is Dangerous but Can be Helpful

- Try to Use Credit Only for Appreciating Assets
- Shop For the Lowest Available Interest Rate
- Always Pay Your Balances in Full if You Can
 - If You Can't, Pay Them Off ASAP
- Don't Let Yourself Be Lured Into Optional Credit Spending, It Will Make You Feel Badly

"I'd Rather Earn Interest Than Pay Interest"

Two Credit Behaviors That Can Help You Succeed

- Pay Cash as Much as Possible
 - Keeps You Connected With Your Spending
 - Helps Make Budget Compliance and Saving Possible
- Avoid Credit Cards
 - They Encourage Optional Spending and Make Consequences Emotionally Remote
 - Credit Card Interest Rates are Very High As Much As 30%
 - Credit Cards are Addictive

A Credit Card Example

- Emergency Dental Situation \$8,000
- Credit Card Interest 12.99%
- Minimum Monthly Payment \$150
- Takes nearly 7 Years to Pay Off
- Interest Cost: \$3,995
- Assuming You Don't Buy Anything Else
- If you have credit card debt your **first priority** is to pay it off. Credit card debt can wreck your financial life.

#7 Retirement

- The days of employer's providing "defined" retirement benefits are largely gone
 - Local governments and public education are notable exceptions.
- You will likely qualify for modest Social Security benefits but will pay for them through your work life.
 - Assuming you were not a local government or public education employee.
 - Assuming Social Security is not changed by Congress.
- Bottom Line:
 - To assure a comfortable retirement you will have to plan and save for it.
- Let's consider available plans

Two Common Self Funded Retirement Plans

Roth Individual Retirement Account:

- You can set it up at any financial institution
- Contribute up to \$6,500 per year of taxed income

Employer Sponsored 401(K) or 403(B) Plan:

- The employer sets up a plan with an independent Trustee
- You can contribute up to \$22,500 each year with the contribution being excluded from your taxable income
- Generally, the employer will match a portion on the employee contributions. This is essentially free money so maximize your retirement by contributing at least enough to collect the employer contribution.

#8 Risk Management: The Why of Insurance

- After you save and invest to accumulate assets, you need to protect them from damage or loss
- You also need to protect your financial assets from claims made against you for negligence
- Therefore, you need quality insurance to protect:
 - 1. Your home and cars
 - 2. Claims made in connection with professional liability
 - 3. Your life, to provide for your family after your death
- Develop a trusted advisor relationship with an insurance professional to help you select appropriate coverage, limits, and providers.
- Remember to Include Your Insurance Costs in Your Budget

#9 How to Save: Building an Investment Strategy

- 1. Establish an Emergency Fund
 - A. Should be at a bank; insured deposits of cash
 - B. 3 Months of Living Expenses
- 2. Save for Planned Expenses
 - A. Such as Home, Car, Wedding, Education
- 3. Build a Personal Financial Cushion
 - A. Retirement
 - B. Personal Security
 - C. Legacy
 - D. Philanthropy

Places to Save / Invest

- Bank Accounts, CD's, Money Markets
 - Should be your first investments
 - Emergency Fund Very Liquid
 - Very low risk; defined return
- US government securities
 - Low Risk
 - Longer Term
 - Defined return

- Mutual Funds, Stocks, Bonds
 - Best Returns, Greatest Risk
 - Attention to Diversification
 - Requires Professional Assistance
- Real Estate
 - Individual Properties
 - Real Estate Investment Trusts
- Options, Futures,
 Commodities
 - Don't do this; too risky

Advisors

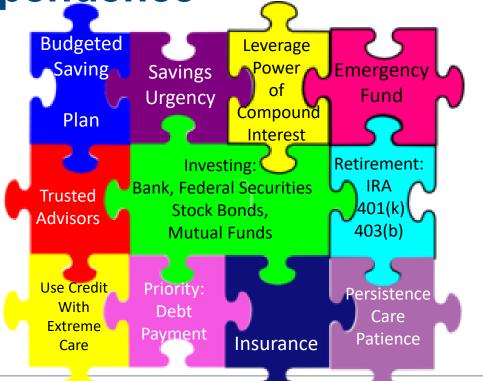
- In the early stages, keep your saving limited to banks and US
 Government Securities. They can advise you on the optimal accounts.
 - Banks are relatively low risk
 - You won't need an outside advisor
- When you expand your investing to include mutual funds, stocks, bonds and other securities you should engage an advisor.
 - Be cautious of "captive" advisors
 - Engage an advisor with a good reputation
 - Advisors with credentials such as CFP® can be a plus

#10 You Won't Become Financially Independent Overnight

- However:
 - Consistent Savings Over Time
 - Carefully Invested
 - Patiently Stewarded
- Yields:
 - Financial Independence
 - More Means Than You Will Require

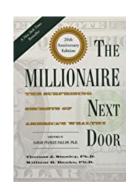
#11 Components of Financial Independence





A Book You Should Read

The Millionaire Next Door: The Surprising Secrets of America's Wealthy by Thomas J. Stanley Ph.D., William D. Danko Ph.D, et al. | Oct 1, 2016



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