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## Investing basics



## Am I an investor? The first step to investing is investing in yourself



64\%
say information on investing is difficult to
understand

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## Know the roles saving and investing play...

How long does the money need to last?

...because savings alone isn't enough to reach every goal in your life's journey

## Net worth

## Know your

 numbers

## Cash flow



Income
What goes in


## Expenses

What comes out

## Examples of investing and savings

## Investment spectrum

Lower risk \& lower potential return

## 340 chas

## Bonds

## Cash

(Savings account, Bank CDs)

## Balancing risk and reward

More return, but also more risk
Risk
2.7 years
out of 10
Average annual returns for various asset classes since 1926


Your investment profile and time horizon determines investments appropriate for you


## Think long term and invest early to reach your goals

It's never too early to start investing

## Monthly investment of \$300 until age 65

( $8 \%$ annual return, compounded monthly)

| Waiting 5 years may cut |
| :---: | :---: | :---: |
| your nest egg by over 35\% |$>$| Balance if you start investing at: |
| :---: |
| age 30 | | age 25 |
| :---: |



[^0]
## Investing with emotions can be costly, be clear on your timeline and be invested for the long term

When times are tough, we want to limit our losses. When things are going well, we wish we had invested more. We all fear missing out But when you're investing, giving in to fear is often a losing strategy. More often than not, investors with this mindset tend to buy high and sell low as they invest more in a rising market and pull money out in a falling market

## Riding the ups and downs of the market



## A diversified portfolio can work even though it often doesn't taste good

## Last 20+ years

25\% U.S. large stocks, 19\% U.S. mid cap stocks, $7 \%$ international stocks, $5 \%$ U.S. small cap stocks, $4 \%$ emerging market stocks, $25 \%$ U.S. bonds, $15 \%$ high yield bonds

| Years | S82P 500 | Diversified portfolio |  |
| :---: | :---: | :---: | :---: |
| 2000-2002* | -40.1\% | -15.7\% | "I lost money" |
| 2003-2007 | 82.9\% | 87.1\% | "Diversification worked" |
| 2008 | -37.0\% | -26.6\% | "I lost money" |
| 2009-2019 | 351.0\% | 220.1\% | "I didn't make as much" |
| Q1 $2020{ }^{+}$ | -30.4\% | -23.1\% | "I lost money" |
| Q2 2020-2021 ${ }^{\text {* }}$ | 119.0\% | 66.6\% | "I didn't make as much" |
| 2022 | -18.1\% | -15.5\% | "I lost money" |
| Total return | 288.6\% | 301.6\% | versification can |
| Gr \$100K | \$388,610 | \$401,550 | els like it's los |


 profit or protect against a loss in a declining market. See page 34 for standardized index performance.

## Benefits of diversification

Different asset classes zig while others zag

Performance of stocks and bonds


[^1] You cannot invest directly in an index. See page 34 for standardized index performance.

## Understanding the math of investment loss



Source: BlackRock. For illustration purposes only.

## How should I invest?

## Mutual funds and exchange traded funds (ETFs) can help build a diversified portfolio



## ETFs vs. active mutual funds: key differences

| Criteria | Mutual funds | ETFs |
| :--- | :--- | :--- |
| Management | Active | Passive |
| Performance goal | Outperform a benchmark and / or deliver an outcome | Track a benchmark |
| Buying/selling shares | Once per day via fund company | Intraday on exchanges |
| Price to buy/sell | End-of-day NAV, less fees | Current market price, which may differ from NAV |
| Fees | Expense ratio + any sales loads / redemption fees | Expense ratio + transaction / brokerage costs |
| Tax impact of <br> buyers/sellers ${ }^{1}$ | Shareholders may be impacted by all other <br> shareholders' actions | Shareholders only impacted by their ownaction |
| Holdings disclosure | Typically quarterly | Daily |
| Benefits | - Opportunity to outperform theindex <br> - Potential to limiting the downside <br> - Buy/sell decisions based on research | Generally lower fees |
| Trade-offs | Typically more tax-efficient |  |

## Systematic investing for retirement



Source: BlackRock. Hypothetical example for illustration purposes only and is not meant to represent the performance of any particular investment. Total investment represents the sum of monthly contributions needed to accumulate $\$ 1$ million by age 65 assuming a $10 \%$ annual return compounded monthly. Systematic investing does not guarantee a profit and does not protect against loss in declining markets. Systematic investing involves continuous investing, so investors should consider their ability to make periodic payments in all market environments. Investing involvesrisks. Including the possible loss of all your principal.

Systematic investing potentially benefits from the market ups and downs
Hypothetical example of investing $\$ 60 /$ month for 1 year into an asset with starting value of $\$ 60 /$ share


## Taxable brokerage account

## Where to invest?

## Retirement accounts (IRA, 401(k)/403(b))

## College planning account (529)

## Fast facts - Taxable brokerage accounts

Need: Building wealth

## Contributions

- Contribute as much aftertax money as you want


## Withdrawals

- Subject to both income and capital gains taxes


## Purpose

- General wealth-building due to tax implications


## Individual Retirement Account (IRA)

## Need: Financial freedom

## Contributions

- \$6,500/year
- Traditional, Roth, or combination
- \$7,500/year if age 50+
- Subject to limits based on annual income


## Withdrawals

- Taxed on Traditional, not on Roth*
- May affect income tax bracket
- Mandatory at age 72 (Traditional only)
- If before 59.5, subject to an extra 10\% penalty


## Purpose

- Long-term, retirementfocused savings due to tax advantaged growth potential


## Traditional or Roth?

One difference depends on paying ordinary income taxes now or at retirement

|  | Traditional 401(k) | Roth 401(k) |
| :---: | :---: | :---: |
| Contributions | Tax-deferred | Taxed as income in the year you contribute |
| Annual Contribution Limit | $\begin{aligned} & \$ 22,500 \text { if }<50 \\ & \$ 30,000 \text { if } 50+ \end{aligned}$ | $\begin{aligned} & \$ 22,500 \text { if }<50 \\ & \$ 30,000 \text { if } 50+ \end{aligned}$ |
| Withdrawals after age $591 / 2$ | Taxed as income in the year you withdraw | Tax-free |
| Withdrawals before age $591 / 2$. | Subject to $10 \%$ penalty to the IRS. Some exceptions apply. | Contributions can be withdrawn at any time, without penalty. <br> Non-contributions (returns) are subject to $10 \%$ penalty. Some exceptions may apply. |
| Employer Match | Yes, contributions are pre-tax. | Yes, contributions are pre-tax. |
| Income Limit | None | None |
| Required Minimum Distributions (RMD) | Age 72 | Age 72 |

Employer contributions are generally made on a traditional (pre-tax) basis
d If you believe your tax rate may be lower in retirement than today, it may make sense to contribute via tax-deferred (traditional) now, and vice-versa for Roth

- Roth account features generally allow for easier access to contributions, if needed


## Tax-advantaged options- Retirement accounts (IRA, 401(k))

Contributions come in and go out the same way

## Contributions

Hypothetical investor younger than 50 making \$75K/year and maxing 401(k) contributions


Withdrawals
Hypothetical withdrawal of $\$ 75 \mathrm{~K}$ in a single year after age 59.5 (and no other income)


## Employer-sponsored retirement plan (401(k)/403(b))

## Need: Financial freedom

## Contributions

- \$22,500/year
- Traditional, Roth, or combination
- \$30,000/year if age 50+
- Automatically deducted as a percentage of paycheck
- "Employer matching contributions" don't count towards annual limit


## Withdrawals

- Taxed on Traditional, not on Roth*
- May affect income tax bracket
- Mandatory at age 72
- If before 59.5, subject to an extra 10\% penalty
- Employer contributions subject to vesting schedule


## Purpose

- Long-term, retirementfocused savings due to tax advantaged growth potential
- Often most accessible retirement option for investors


## Getting the most out of your retirement plan

## Key takeaways

Contribute to your plan.
Don't miss out on
tax-advantaged growth

Example: Employer match of 50\% up to 4\%, based off annual income of \$100K

| Scenario- <br> employee <br> contribution \% | Contribution <br> per year | Employer <br> match | Total contribution <br> after 10 years | After 10 years <br> with 3\% growth |
| :--- | :--- | :--- | :--- | :--- |
| $0 \%$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $1 \%$ | $\$ 1,000$ | $\$ 500$ | $\$ 15,000$ | $\$ 20,159$ |
| $2 \%$ | $\$ 2,000$ | $\$ 1,000$ | $\$ 30,000$ | $\$ 40,317$ |
| $3 \%$ | $\$ 4,000$ | $\$ 2,000$ | $\$ 45,000$ | $\$ 60,476$ |
| $4 \%$ | $\$ 5,000$ | $\$ 2,000$ | $\$ 60,000$ | $\$ 80,635$ |
| $5 \%$ |  | $\$ 90,000$ | $\$ 94,074$ |  |

## 401K

- A retirement savings vehicle that is employersponsored with its own set of rules. Contribution limit is ( $\$ 22,500$ ) in 2023 (\$30,000 if over 50)


Employer contribution (if offered)

- High annual contribution limit
- Contributions lower taxable income
- Funds in a 401 K plan may be less expensive than identical fund purchased outside of 401 K


No control over plan and investment costs

- Limited investment selection
- Distributions in retirement are taxed as ordinary income
- Minimum distribution age begins at 72

- A retirement savings vehicle that is established by the owner without an employer's involvement. Contribution limit is $\$ 6,500$ in 2023 ( $\$ 7,500$ if age 50 or older)


## Traditional IRA

Large investment selection

- If deductible, contributions reduce taxable income in the year they are made


## Traditional IRA

Contribution limits are lower than 401K

- Limited tax incentive if covered by a work retirement account
- Distributions are taxed as ordinary income
- Required minimum distribution after age of 72


## Roth IRA

- Large investment selection
- Contribution can be withdrawn at anytime
- Qualified withdrawals in retirement are tax-free


## Roth IRA

- No immediate tax benefit for contributing
- Ability to contribute is phased out at higher incomes


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## College savings ( 529 plans)

## Need: Legacy

Contributions

- After-tax and grow taxdeferred
- No limit
- Total contributions cannot exceed \$235K-\$529K, depending on the state

Withdrawals

- No limit for tax free if for qualified college expenses
- \$10,000/year tax free if used for qualified K-12
- Amount above \$10,000 threshold is taxed
- Non-qualified withdrawals are taxed and have an additional 10\% penalty


## Purpose

- Long-term planning for the next generation due to withdrawal uses and flexibility of options
- Most states have multiple options for residents of any state
- Typically, investing in home state's plan comes with additional tax credits


## What is a 529 Plan?

- 529 plan is a tax-advantaged savings plan designed to help pay for education
- Tax-free earnings \& withdrawals for qualified education expenses
- Funds can be used for any level of higher education at in and out-of-state colleges, as well as trade and private schools, online universities, and even many schools abroad.
- It's not just for tuition. There are more than 200 eligible expenses, including computers, books, room and board and more
- You can open your account with as little as \$1. Saving just $\$ 500$ has proven to significantly increase graduation rates
- Plan beneficiaries are transferable between family members


## Ask about other options

## Building Wealth

- Joint Account
- UGMA/UTMA


## Financial Freedom

- 457 plan
- Thrift Savings Plan
- SIMPLEIRA
- SEPIRA
- Profit-sharing plan
- Health Savings Account
- Flexible Spending Account


## Legacy

- UGMA/UTMA
- Coverdell
- Trust Account


## Understanding Credit Scores

Lenders use your credit score to assess whether or not to lend you money, as well as the terms of their lending. The score is usually a 3-digit number from 300-850 that relies on information from your credit report.

## Credit Scores

Credit scores help lenders measure the creditworthiness of a borrower.

What Your Score Means

| Score Range | Lender <br> Terminology | What It <br> Really Means |
| :--- | :--- | :--- |
| $<619$ | Subprime | Poor |
| $620-659$ | Near Prime | Fair |
| $660-719$ | Prime | Good |
| $720+$ | Super Prime | Excellent |

How It's Created

| Weight | Factors |
| :--- | :--- |
| $\mathbf{3 5 \%}$ | Payment History: Late or missing <br> payments reduce your score. |
| $\mathbf{3 0 \%}$ | Credit Utilization: Outstanding <br> balance divided by available credit |
| $\mathbf{1 5 \%}$ | Length of History: Average age of <br> credit account |
| $\mathbf{1 0 \%}$ | Recent Inquiries: Credit accounts <br> open or applied for |
| $\mathbf{1 0 \%}$ | Credit Mix: The mix of credit types <br> you've had and are currently using |

## TIPS FOR IMPROVING YOUR CREDIT SCORE

```
Annual
Credit
Report.
Com
```

onfirm the accuracy
of your credit report at
AnnualCreditReport.com


Continue to make on time payments


Reduce your debt balances

## Understanding Student Loans

## Student Loans

Figuring out the right approach to pay off student loans can reduce financial stress

|  | FEDERAL LOANS | PRIVATE LOANS |
| :--- | :--- | :--- |
| Lender | Federal Government | Financial Institution (e.g. bank) |
| Structure | Fixed | Fixed or Variable |
| Collections | Federal benefits such <br> as Social Security may be garnished | Subject to federal and state <br> debt collection laws |
| Payment <br> Flexibility | Federal loans allow some borrowers to <br> pursue alternative repayment plans | Loans terms tend to be less flexible, <br> but lenders often have options such <br> as forbearance |
| Cancellation | Very difficult, except in extraordinary <br> circumstances | In some cases, may be discharged in <br> bankruptcy proceedings |
|  |  |  |

## Tips for Managing Student Loans

Automate payments through direct deposit

Prioritize making the minimum payment

Pay down
high-interest loans

Refinance or explore alternatives

In some cases, automating payments through a linked direct deposit could lower your interest rate

Missing payments may trigger penalties, lead to default and/or lower your credit score

If you have room in your budget, consider paying down the highest interest rate loan first

You may reduce your monthly payments by refinancing or consolidating through a third party

## How to prioritize long-term financial goals


*Subject to applicable IRS regulations

## What about credit cards?

Credit cards are useful for spending and payments, but may carry high interest rates if you maintain a balance.

## Typical Uses of Credit Cards:

$\Rightarrow$ Pay day-to-day expenses
$\Rightarrow$ Autopayment for bills and other expenses
$\Rightarrow$ Establish credit history
$\Rightarrow$ Protect purchases through benefits such as fraud protection and insurance
$\Rightarrow$ Receive rewards and/or cash back

## Credit Card Best Practices:

$\Rightarrow$ Pay your balances off each month
$\Rightarrow$ Always pay at least the monthly minimum
(you will accrue interest on the remaining unpaid balance)
Keep your balances <30\% of your credit limit
If you need to carry a balance, use the lowest interest rate card

## Types of Credit Cards



Secured and Student Cards: Cards marketed to those with low credit scores or limited credit history. These cards typically have lower limits, and higher fees and higher interest rates.


Balance Transfer Cards: These are typically used to make large purchases or to consolidate higher-interest debt. These cards may offer lower interest rates than other credit cards, no annual fees and few, if any, rewards.


No-annual fee cards: Credit cards that are used primarily for day-to-day spending. They may offer basic rewards such as cash-back or credit card points. Often, branded or 'store' cards typically fall in this category.


Mid-tier annual fee cards: Cards that provide higher rewards such cash-back, hotel, and travel benefits, but come with a moderate annual fee (often \$100-\$250).


Premium Rewards Cards: Cards that provide higher rewards such cashback, hotel, and travel benefits, but come with a higher annual fee (often $\$ 400+$ ). These cards may provide additional premium rewards such as travel credits, gym discounts, hotel/car rental memberships, and lounge access at airports and entertainment venues.

## Important notes

| Returns as of 12/31/22 | Total Ret 1 Year | Total Ret 5 Years | Total Ret 10 Years |
| :---: | :---: | :---: | :---: |
| S\&P 500 TR USD Index | -18.11 | 9.42 | 12.56 |
| IA SBBI US Large Stock TR USD Ext Index | -18.11 | 9.42 | 12.56 |
| Russell Mid Cap TR USD Index | -17.32 | 7.10 | 10.96 |
| MSCI EAFE NR USD Index | -14.45 | 1.54 | 4.67 |
| Russell 2000 TR USD Index | -20.44 | 4.13 | 9.01 |
| FTSE Emerging TR USD Index | -16.91 | 0.14 | 2.33 |
| Bloomberg US Agg Bond TR USD Index | -13.01 | 0.02 | 1.06 |
| IA SBBI US IT Govt TR USD Index | -13.01 | 0.02 | 1.06 |
| Bloomberg High Yield Corporate TR USD Index | -11.19 | 2.31 | 4.03 |
| IA SBBI US 30 Day TBill TR USD Index | 1.43 | 1.18 | 0.69 |

## 

 invest directly in an index. Past performance does not guarantee future results.[^2]
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## Important Notes

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## Investing involves risk, including possible loss of principal.

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[^0]:    Source: BlackRock. Hypothetical examples for illustration purposes only.

[^1]:    

[^2]:     performance does not guarantee future results.

