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Take the attitude of a student, never be too big to ask questions, never know too much to learn something new. Og Mandino

Take some time to learn something new in this issue of the Bartholomew Newsletter - including trading basics, student debt repayment, and saving money on your cell phone plan.

As always, if you have any questions about the articles in this newsletter - or anything regarding current market conditions or your portfolio, please call our office at 800-440-8807.

We hope you had a fun summer, and we wish all the students a wonderful new school year!

Sincerely,

Tom

September 2018

Bartholomew & Company Incorporated

Buying and Selling: Trading Basics

The New York Stock Exchange Group averaged more than 5.7 million trades per day in 2017, with an average of almost 1.5 billion shares changing hands.[1] Many of these trades are more complex than most investors need to consider, but it may be helpful to understand some basic terms and types of trades.

Bid and ask — The bid price is the maximum a buyer is willing to pay for a security. The ask price is the minimum a seller is willing to accept. The difference between them, called the spread, may be as low as a penny for the stock of a large well-known company, but wider for a smaller, more obscure company.

Market order — An order to buy or sell a security immediately at the best available price (though there is no price guarantee). A market order generally will execute at or near the current bid price for a sell order, or the ask price for a buy order. However, the last-traded price, typically the price you see listed on an exchange, is not necessarily the price at which a market order will be executed.

The following order types do not guarantee that the trade will be executed. They typically allow the investor to set a time limit that may range from a day to a year.

Limit order — An order to buy or sell a security at a specific price or better. For example, if an investor wants to purchase shares of XYZ stock for no more than $10 per share, the investor could submit a buy limit order for $10 and the order will execute only if the price of XYZ stock is $10 or lower. If the investor wants to sell at a price of at least $20 per share, a sell limit order for $20 would execute only at a price of $20 or higher.

Stop order (or stop-loss order) — An order to buy or sell a security once the price reaches a specified level, known as the stop price. Investors generally use a sell stop order to limit a loss or protect a profit on a stock they own.

For example, if you own shares of XYZ security that are currently trading at $50 per share, and are concerned about holding the shares in a declining market, you could set a stop-loss order at $48 per share. If the share price declines to $48, your shares would sell at the next market price, which would typically be a little below $48 if the market decline is gradual. However, if trading is interrupted or there are large changes overnight, you could end up selling at a lower price than anticipated.

Stop-limit order — An order to buy or sell a security once the price reaches the stop price, as long as the trading price is at a specified limit price or better. This helps protect against the possibility of a stop order triggering a trade at an unwanted price. To use the example above, you could set a stop price for XYZ shares at $48 per share and a limit at $47 a share. The order would execute when the share price falls to $48 but only as long as it remains above $47.

All investments are subject to market fluctuation, risk, and loss of principal. When sold, investments may be worth more or less than their original cost.

[1] New York Stock Exchange, 2017

Take Charge of Your Student Debt Repayment Plan

If you have federal student loans, you aren't automatically eligible for an income-driven repayment plan — you have to fill out an application (and reapply each year).

Outstanding student loan debt in the United States has tripled over the last decade, surpassing both auto and credit card debt to take second place behind housing debt as the most common type of household debt.[1] Today, more than 44 million Americans collectively owe more than $1.4 trillion in student debt.[2] Here are some strategies to pay it off.

Look to your employer for help

The first place to look for help is your employer. While only about 4% of employers offer student debt assistance as an employee benefit, it's predicted that more employers will offer this benefit in the future to attract and retain talent.

Many employers are targeting a student debt assistance benefit of $100 per month.[3] That doesn't sound like much, but it adds up. For example, an employee with $31,000 in student loans who is paying them off over 10 years at a 6% interest rate would save about $3,000 in interest and get out of debt two and a half years faster.

Understand all your repayment options

Unfortunately, your student loans aren't going away. But you might be able to choose a repayment option that works best for you. The repayment options available to you will depend on whether you have federal or private student loans. Generally, the federal government offers a broader array of repayment options than private lenders. The following payment options are for federal student loans. (If you have private loans, check with your lender to see which options are available.)

Standard plan: You pay a certain amount each month over a 10-year term. If your interest rate is fixed, you'll pay a fixed amount each month; if your interest rate is variable, your monthly payment will change from year to year (but it will be the same each month for the 12 months that a certain interest rate is in effect).

Extended plan: You extend the time you have to pay the loan, typically anywhere from 15 to 30 years. Your monthly payment is lower than it would be under a standard plan, but you'll pay more interest over the life of the loan because the repayment period is longer.

Example: *You have $31,000 in student loans with a 6% fixed interest rate. Under a standard plan, your monthly payment would be $344, and your total payment over the term of the loan would be $41,300, of which $10,300 (25%) is interest. Under an extended plan, if the term were increased to 20 years, your monthly payment would be $222, but your total payment over the term of the loan would be $53,302, of which $22,302 (42%) is interest.*

Graduated plan: Payments start out low in the early years of the loan, then increase in the later years of the loan. With some graduated repayment plans, the initial lower payment includes both principal and interest, while under other plans the initial lower payment includes interest only.

Income-driven repayment plan: Your monthly payment is based on your income and family size. The federal government offers four income-driven repayment plans for federal student loans only:

- Pay As You Earn (PAYE)
- Revised Pay As You Earn (REPAYE)
- Income-Based Repayment (IBR)
- Income-Contingent Repayment (ICR)

You aren't automatically eligible for these plans; you need to fill out an application (and reapply each year). Depending on the plan, your monthly payment is set between 10% and 20% of your discretionary income, and any remaining loan balance is forgiven at the end of the repayment period (generally 20 or 25 years depending on the plan, but 10 years for borrowers in the Public Service Loan Forgiveness Program). For more information on the nuances of these plans or to apply for an income-driven plan, visit the federal student aid website at studentaid.ed.gov.

Can you refinance?

Yes, but only with a new private loan. (There is a federal consolidation loan, but that is different.) The main reason for trying to refinance your federal and/or private student loans into a new private loan is to obtain a lower interest rate. You'll need to shop around to see what's available.

Caution: *If you refinance, your old loans will go away and you will be bound by the terms and conditions of your new private loan. If you had federal student loans, this means you will lose any income-driven repayment options.*

Watch out for repayment scams

Beware of scammers contacting you to say that a special federal loan assistance program can permanently reduce your monthly payments and is available for an initial fee or ongoing monthly payments. There is no fee to apply for any federal repayment plan.

[1] New York Federal Reserve, Quarterly Report on Household Debt and Credit, February 2018

[2] CFPB, Innovation Highlights: Emerging Student Loan Repayment Assistance Programs, August 2017

[3] Society for Human Resource Management, October 2, 2017

Infographic: Working in Retirement

Do You Plan to Work in Retirement?

The 2018 Retirement Confidence Survey found that more than two-thirds of all workers surveyed expect that paid work will play a role as a source of retirement income. If you believe that working for pay will supplement at least some of your retirement income, consider the following facts.

1 More people are working beyond age 65

According to the Bureau of Labor Statistics, 37% of men and 28% of women between the ages of 65 and 69 were still in the workforce in 2017. In addition, 17% of men and 10% of women age 70 and older were still working.

2 Social Security imposes an "earnings limit"

If you plan to work and claim Social Security benefits before reaching your full retirement age (66 to 67, depending on year and month of birth), you will be subject to an earnings limit ($17,040 in 2018). Above that limit, $1 will be withheld from your benefit for every $2 earned. In the year you reach full retirement age, you will lose $1 for every $3 earned above a higher limit ($45,360 in 2018). Once you reach full retirement age, there is no reduction in benefits.

3 Income for older workers is on the rise

According to the U.S. Census Bureau, the average earnings for workers age 65 and older increased by 47.6% between 2000 and 2015, a far greater increase than that of any other age group.

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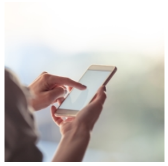
How can I save money on my cell phone plan?



Paying your monthly cell phone bill might feel like a necessary evil: You can't live without your cell phone, but you don't like the steep price of your plan. Fortunately, there are ways to save money on your plan without sacrificing the cell phone services you need.

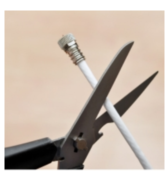
Review your monthly bill. Aligning what you're paying for with what you're actually using can go a long way in saving money on your plan. Look at your bill to get a breakdown of your average data consumption, as well as the number of phone calls and text messages you send/receive in one month. This will help you determine whether your activity levels match your plan. If, for example, you're paying for unlimited data each month but use only five gigabytes, on average, then it might make sense to decrease the data limit on your plan. Or if you depend on unlimited data, consider ways in which you can lower the amount you use. Turn cellular data off in your app settings and connect to Wi-Fi whenever possible to dramatically reduce data usage.

Research discount options. Ask your employer or your cell phone service provider to see if you're eligible for employee discounts. Members of the military, veterans, and senior citizens may also receive discounts, depending on the provider.

Sign up for a different plan. Most carriers offer plans that allow you to share data and minutes with others. These are often referred to as family plans, though you don't need to be related to someone in order to join your accounts. You might also consider prepaid cell phone plans, which generally don't require credit checks or contracts, and don't have data overage fees. Many types of prepaid plans are available on the market, so look at different ones to determine what works best for you.

Switch to an alternative carrier. Before you make the switch, though, indicate to your current provider that you want to cancel — you may be offered a deal for continuation of service. If not, keep in mind that many alternative carriers offer promotions exclusively to new customers. Make sure you know how long the promotion will last and what your monthly costs will be when it ends.

Should I cut the cord on cable?



In the last few years, it's become common for consumers to ditch cable television in favor of streaming services and devices. Many affordable streaming options are available, making it easier for consumers to give up cable without necessarily sacrificing their favorite shows. But there are some drawbacks to relying exclusively on streaming services for television viewing. Consider the following before you decide to cut the cord.

The most obvious benefit of cutting cable is the money you'll likely save each month. Compare what you spend on your monthly bill to how much of your cable subscription you actually use. Are you regularly watching all the channels you pay for, or do you watch only a few of them? Are the channels you watch worth what you pay each month? If not, it might make sense to cancel cable and switch to an alternative entertainment source.

You may decide to replace cable with a streaming service or device. In addition to being less expensive than cable, most services are user-friendly. You won't need to flip through hundreds of channels to find your favorite shows, and as long as you have an Internet connection, you can view them on the go on your cell phone or tablet. Plus, streaming services typically let you stop and start month to month without termination fees.

But depending on your viewing preferences, a streaming service might not be the right option for you. There is often a delay in the online release of many television shows, which can be frustrating for dedicated viewers. And if you're a sports fan, you might be disappointed to learn that you won't have access to live sports coverage through most streaming services. Comprehensive sports packages are offered by some services, but they can be expensive and are not available in all regions.

Another disadvantage of switching to streaming is that you may need to subscribe to multiple packages or invest in special streaming devices to access the programs you want. You might also consider the cost of high-speed Internet — you won't be able to stream without a relatively fast Internet connection. Between multiple subscriptions and reliable Internet, the cost of streaming can add up quickly. Be sure to compare prices and take advantage of any free-trial offers.

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