



Personal Finance: Another Perspective

Family 3: Financing your Children's Education and Missions

Updated 2020/03/24





Objectives

- A. Understand how education relates to your vision and goals and the principles of financing education and missions
- B. Understand the process of selecting investment vehicles for financing education and missions for your children
- C. Understand how to save for your children's education and missions and how to reduce the cost of education and apply for aid
- D. Understand how to prepare mission and education plans





Your Personal Financial Plan

- Section XV: Children's Education and Mission Plans
 - What are your vision and goals to help your children with education and missions (use template PFP <u>Auto Home Education Mission Strategy</u> (LT14))
 - What are you planning to do?
 - What are your plans and strategies for your children's mission and education?
 - This may include how you will help, how much you will help, why you will help, etc.
 - What are your constraints and accountability





A. Understand How Education Relates to Financial Goals and the Principles

Median

Level of Education	Annual Earnings*	Lifetime Earnings
Not a HS graduate	\$24,325	\$973,000
High school Diploma	32,600	1,304,000
Some College, no degree	38,675	1,547,000
Associate's Degree	43,175	1,727,000
Bachelor's Degree	56,700	2,268,000
Master's Degree	66,775	2,671,000
Doctoral Degree	81,300	3,252,000
Professional Degree	91,200	3,648,000

^{*}Annual earnings is lifetime earnings divided by 40 years.

Source: Anthony P. Carnevale, Stephen J. Rose, and Ban Cheah, "The

College Payoff: Education, Occupations, Lifetime Earnings,"

Georgetown University Center for Education and the Workforce, 2012. 4





Does Education Pay?

- Is education a good investment?
 - President Gordon B. Hinckley said:
 - Now is the season to train your minds and your hands for the work you wish to do. Education can prove to be the wisest and most profitable investment you will ever make (*Tambuli*, Sept. 1989, 49).
 - He further counseled:
 - Get all the schooling you can. Education is the key that unlocks the door of opportunity. God has placed upon this people a mandate to acquire knowledge "even by study and also by faith" (D&C 88:118) ("Some Thoughts on Temples, Retention of Converts, and Missionary Service," *Ensign*, Nov. 1997, 49).





Should You Pursue an Education?

President Hinckley said:

You young people, the little decisions that you make can so affect your lives. Shall I go to school or not? Shall I continue on with my education? That is a big decision for some of you. Our doctrine suggests, although there may be some circumstances that would affect that decision, that the more education you receive the greater will be your opportunity to serve. That is why this Church encourages its young people to get the schooling that will qualify them to take their places in the society in which they will become a part. Make the right decisions. Take a long look (Pocatello, Idaho, regional conference, Idaho State University, 4 June 1995).





Is Education Cheap?

- Cost Facts:
 - Average NR U.S. medical school tuition/fees in 2017-2018 was \$55,294 (public) and \$52,093 (private)
 - 2018 average top 20 MBA programs tuition and fees: >\$100,000 (varies by school)
 - Average cost in tuition, fees and lost salary: \$150,000
 - Annual budget for students of BYU in 2017-2018
 - Undergraduate \$18,430 (LDS), \$23,890 (non-LDS)
 - Graduate \$26,680 (LDS), \$33,560 (non-LDS)
 - MSM/Law \$33,472 (LDS), \$46,152 (non-LDS)
- Education isn't cheap, but the cost of ignorance is higher!





Principles of Financing Education and Missions

- 1. Teach your children who they are, that they are children of God, and model it yourself
 - Be an example of a Christ-like person
 - Teach them to work and to earn, consistent with their age and abilities
 - Teach them to be accountable for their spending, just as they are for their words and thoughts
 - Teach them to share the things they have—none of it belongs to us





- 2. Teach your children to seek, receive and act on the Spirit's guidance
 - Learn and teach your children to be obedient and have the Holy Ghost with them always
 - Remember that the Holy Ghost and the scriptures can "show" and "tell" you all the things you should do (2 Nephi 32: 3,5)





- 3. Help your children to save for their own (and other family member's) education and missions consistent with their abilities to earn
 - Encourage your children to set savings goals and save for their own missions and education
 - Give your children opportunities to earn money that is earmarked, after paying the Lord, specifically for their missions and education
 - Consider matching children's funds to encourage their contributions





- 4. If you choose to help, develop education and mission plans with and for your children
- Develop education and mission plans, consistent with your personal goals and budget, and share them with your children
- Determine how much you will help, what you will pay for, and what children must do to receive funds
- Encourage your children to contribute. Plans which require work and contributions by children have a better chance of teaching desired principles
- Set up investment accounts (vehicles) for your children and set aside funds each month to fund these accounts wisely





- 5. If you choose to help, start NOW (and early) to save
 - Begin now and early if you choose to help
 - The best time to begin saving for your children's education and missions was 20 years ago. The second best time is today. The *Law of the Harvest* takes time and is still in effect
 - Make saving a key part of your family budget—be an example to your children
 - Have your children begin now to help save for their own missions as you save for yours as well





- 6. If you choose to help, invest funds wisely and tax-efficiently consistent with your tolerance for risk
 - Use wisdom in your investments
 - Invest at a risk level you are comfortable with
 - Understand your available financial investment vehicles for education and missions
 - Use the investment vehicles which allow you to save the most on an after-tax basis (utilize tax benefits in your educational and mission savings plan)





Finding Balance

Guiding Principles		Doctrines
•	Teach who they are, children of God	Identity
•	Seek, receive and act on guidance	Obedience
•	Teach to save for own educ./miss.	Stewardship
•	If choose, develop miss./educ. Plans	Accountability
•	If you choose to help, start now	Stewardship
•	Invest wisely and tax efficiently	Accountability





From obedience to consecration

• We are children of the most high God (identity), striving to live worthy of the Spirit (obedience), with the decision to help our children save for missions and education (agency). For those who choose to help (at least with part), we believe in the importance of helping our children work toward worthy mission and education goals (Plan of Salvation) and will help our children as we planned by saving and investing resources wisely (accountability) so we can help offset some of the costs of these worthy goals (agency), to help ourselves and our children attain our personal and family vision and goals.





B. Understand the Process of Selecting Vehicles for Education and Missions

- Is there a priority of money for financing education and missions?
 - Priority of Money for Educations and Missions
 - 1. Free Money
 - 2. Family Money
 - 3. Employment
 - 4. Loans
 - 5. Credit Cards (No!) and Retirement Accounts (No!, No!, No!)





1. Free Money

- Get free money first--scholarships and grants
 - This is free money which is not paid back
 - If you have to pay money to get a scholarship or grant, it is generally a scam!
 - Grants are need-based--complete the FAFSA
 - Pell Grant: approximately \$606-\$5,920/year in 2017-2018
 - SEOG Grants not available at BYU
 - Scholarships from schools and private sources
 - You may need a supplemental application
 - Find out which ones you are eligible for on a scholarship search engine and apply for each
 - Armed Forces Scholarships: See recruiting offices





2. Family Money

- Use personal savings and help from parents
 - If children pay for their education and missions, they will likely use their resources more wisely, as it's their money they are spending.
 - Start the process of financial self-reliance as soon as you can.
 - Do as much as you can to help your children, but don't do it all

0





3. Employment

- Have children work when possible to offset educational expenses
 - Undergraduate students enrolled in 12+ semester hours should work no more than 20 work hours per week. This may cover rent and food expenses.
 - BYU students who work full-time at \$10 per hour while living free at home for 4 months will earn tuition for two semesters.
 - Working summers to save for mission and college is desirable.





4. Loans

- Use (all) loans wisely
 - There are five main items to be aware of:
 - a. Who pays the interest during school?
 - •The borrower or the government?
 - b. When must you start paying back the loan?
 - Immediately or after graduation?
 - c. Who takes out the loan?
 - You or your parents?
 - d. What is the interest rate cap?
 - What is the highest rate you may pay?
 - e. What are the amounts available and costs?
 - What are all the costs: fees, interest, etc.?





- Best Loans: Subsidized Loans (2017-2018)
 - Subsidized Federal Loans
 - Direct Subsidized Loans (direct from Federal government—undergraduates only)
 - a. Gov't pays interest while student in school
 - b. Repayment begins 6 months after graduation or if student drops below half-time enrollment
 - c. Loan is in the student's name
 - d. For 2017-2018, the interest rate is 4.45%.
 - e. Direct Subsidized Loan amounts range from
 - \$100 to \$5,500 (for undergraduates only).
 - 1.069% origination fee applies





Be Careful Loans: Unsubsidized Federal Loans

- Direct Unsubsidized Loans (for both grads and undergrads)
 - a. Student is responsible for interest during school
 - b. Repayment begins six months after student graduates, discontinues, or drops below half-time enrollment for a continuous 6 months
 - c. Loan is in the student's name
 - d. Fixed interest rate of 4.45% for undergraduates, and 6.00% for graduates
 - e. Maximum amounts \$12,500 for undergraduates and \$20,500 for graduates. 1.069% origination fee applies





- Be Careful Loans: Unsubsidized Federal Loans
 - Direct PLUS Loan: Available for parents of undergraduate, dependent students to help with school-related expenses.
 - a. Parent is responsible for interest during school
 - b. Repayment begins immediately, but can be deferred until 6 months after student graduates, discontinues, or drops below half time
 - c. Parent is the borrower
 - d. Interest rate is 7.00% fixed APR charged from first disbursement
 - e. Origination fee of 4.276%, a credit check and a FAFSA required. Parents can borrow up to cost of education less other financial aid student receives





• Be Careful Loans: Unsubsidized Loans

student receives

- Direct Unsubsidized Federal Loans
 - Grad PLUS Loan: Available for graduate students to help with school-related expenses
 - a. Student is responsible for interest during school
 - b. Repayment begins six months after student graduates, discontinues or drops below half time
 - c. Graduate student is the borrower
 - d. Interest rate is 7.00% fixed APR charged from first disbursement
 - e. Requires a credit check for approval, FAFSA, and a 4.276% origination fee. Student can borrow up to cost of education less other financial aid the





- Avoid Loans: Unsubsidized Loans
 - Private Alternative Loans

Caution -- these unsubsidized loans can be *much more expensive* than federal unsubsidized loans

- a. Interest starts immediately and accrues
- b. Must often begin paying the loan back immediately
- c. Student is the borrower
- d. Interest rates are higher than Federal loans and there is no interest rate cap. A 14.5% variable interest rate means loan amount can double in five years (Rule of 72)
- e. These have higher up-front fees and may require a cosigner. Read the fine print VERY CAREFULLY





Federal Grants and Loans

- Federal Financial Aid Options
 - Federal grant and loan recipients must:
 - Be a citizen, permanent resident, or eligible non-citizen with a valid social security number
 - Have a high school diploma, (GED), or equivalent
 - Be admitted as a regular student in an eligible degree or certificate-seeking program
 - Register or have registered for <u>Selective Service</u> for males
 - Complete the Free Application for Federal Student Aid (FAFSA)





Federal Loans and Grants (continued)

- Additional requirements for Pell and Direct Loans:
 - Be making satisfactory academic progress (SAP),
 - Not be in default on a federal student loan or grant
 - Additional requirements for Pell and Direct Loans:
 - Pell Grant Eligibility
 - Not already have a baccalaureate degree
 - Direct Loan Eligibility
 - Undergraduates and graduates; also postbaccalaureate students enrolled in courses required for admission to a graduate program or enrolled in a program leading to a certificate, may be awarded for up to one year





Federal Loans and Grants (continued)

- Final Thoughts on Loans and Borrowing:
 - *Use subsidized Federal loans first*. Federal loans are generally less expensive than private, non-federal loans. They subsidize the interest during school, and are a better choice if borrowing is necessary
 - Let the child borrow. Parents should not put their retirement at risk for their children's education
 - Let the child work a semester. This may not only help the child save money, but teach the importance of earning and spending wisely
 - Avoid private-alternative loans. Beware of aggressive marketing campaigns by these companies. These loans are very expensive





5. Credit Cards and Retirement Accounts

- Credit Cards and Payday Loans (No!)
 - Among the most expensive way to borrow
 - They require you to pay it back immediately
 - There is no help in the payment of interest
 - The interest rates are extremely high and you are in school
- Taking money from retirement accounts
 - This is NOT NOT NOT NOT NOT recommended to help pay for your children's education
 - (Do you get the hint?)
 - These are <u>not</u> advisable ways to finance schooling and are usually the result of poor planning!!!





C. Understand How to Save for Your Children's Education and Missions

- College Savings Plans
 - Five major ways to save for college:
 - With tax benefits
 - 1. Series EE and Series I Government bonds
 - 2. Education Savings Account (Education IRA)
 - 3. 529 Prepaid Tuition Plan
 - 4. 529 Savings Plan
 - No tax benefits
 - 5. Tax-Efficient Investing
 - 6. Custodial Accounts (UGMA/UTMA)





1. Series EE and Series I Bonds

- Advantages:
 - Earnings are tax-free if used for paying tuition and fees (I bond rates are 2.22% and EE bonds are 0.1% until April 30, 2020)
 - Earnings are not taxed until bonds are cashed
 - Can be purchased in small denominations
- Disadvantages:
 - 3-month penalty on early withdrawal before 5 years, with minimum holding period of 1 year
 - \$10,000 per year maximum purchase per year per SSN (and \$5,000 more if use your tax refund)
 - For tax-free status, principle and earnings can only be used for tuition and fees, not other expenses





EE/I Savings Bond Phase-out Limits

• If your income is above specified limits in the year bonds are cashed, you cannot exclude the interest income from your income taxes. The limits are:

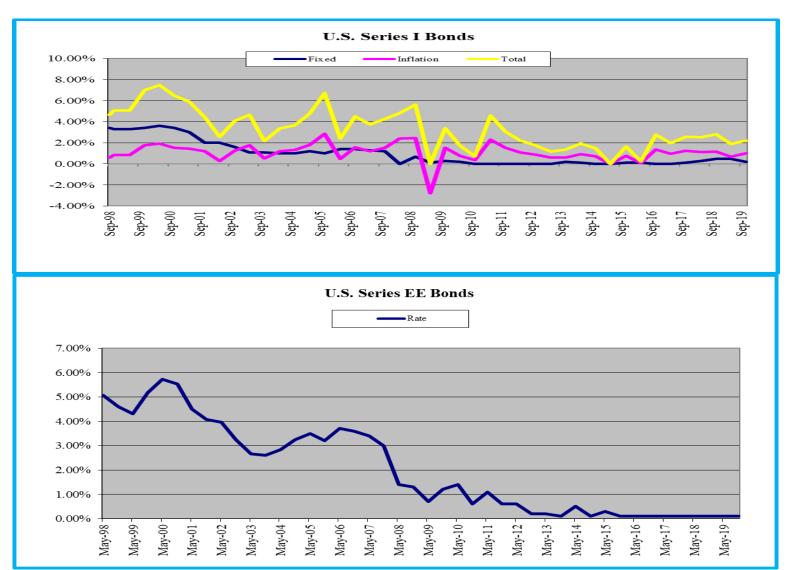
Year	Filing Single	Married Filing Jointly
2016	\$77,550-92,550	\$116,300-146,300
2017	\$78,150-93,150	\$117,250-147,250
2018	\$79,700-94,700	\$119,550-149,550
2019	\$81,100-96,100	\$121,600-151,600
2020	\$82,350-97,350	\$123,550-153.550

• Your modified Adjusted Gross Income is your adjusted gross income adding back certain items such as foreign income, foreign-housing deductions, student-loan deductions, IRA-contribution deductions and deductions for higher-education costs.





U.S. Series EE Bonds/I over Time







2. Education Savings Account (Coverdell)

- Advantages:
 - Distributions are tax-free (even beyond 2020).
 - You choose your investments.
 - Can be used for eligible elementary, secondary and post-secondary education expenses.
- Disadvantages
 - Contribution limits of \$2,000 per year in 2020, which may phase out as your income (MAGI) increases beyond specific limits (\$95-110k single, \$190-220k married filing jointly).
 - Funds must be used by age 30 (but can be transferred to other students). Earnings not used for educational expenses are taxed with a 10% penalty







Education IRA Deductibility Limits

Education IRA MAGI Phase Out Range (in 000's)

Year	Amount	Single Range	Married FJ Range
2016	\$2,000	\$95-\$110	\$190-\$220
2017	\$2,000	\$95-\$110	\$190-\$220
2018	\$2,000	\$95-\$110	\$190-\$220
2019	\$2,000	\$95-\$110	\$190-\$220
2020	\$2,000	\$95-\$110	\$190-\$220

• Your Modified Adjusted Gross Income is your adjusted gross income and adding back certain items such as foreign income, foreign-housing deductions, student-loan deductions, IRA-contribution deductions and deductions for higher-education costs. Earnings beyond these limits (\$95k single and \$190k jointly) result in a phase out of allowable interest deductions, which totally phase out at \$110k35 and \$220k).





3. 529 Prepaid Tuition Plan

Advantages:

- You know tuition will be covered, regardless of raises in costs of tuition
- May be useful if you think your children will not be eligible for financial aid. Can save up to a total account balance maximum per child of \$485,000 maximum per child in 2020 (Utah)

• Disadvantages:

- May not be offered in the state you/your child wants to attend
- Does not allow you to choose your investments
- You could be more aggressive with your money, resulting in higher returns
- Assets reduce financial aid dollar for dollar





4. 529 Savings Plan

- Advantages:
 - Control of the funds resides with the contributor, who chooses the assets within options provided.
 - Distribution and contribution limits are higher, not considered student assets, increasing aid
 - States may offer tax deductions for contributions to your local 529 funds (check by state)
 - Distributions are tax-free if used for qualified educational expenses (\$485,000 maximum in 2020)
- Disadvantages:
 - May not cover all college expenses
 - If not used for educational expenses, earnings subject to tax and 10% penalty





Different States 529 Savings Plans

- When determining which 529 Plan to use, start with a review of your state's 529 plan (Utah's Plan is at www.my529.org)
 - Check the fees (at the Plan and Fund level)
 - Check for any tax benefits (Utah has a 5% tax credit against your Utah State tax in 2020 up to \$2,040 Single and \$4,080 for MFJ for \$102 and \$204 of free money)
 - Check for investment assets and options, and the maximum amount you can invest per child
- Once you have reviewed your state's plan, read about other state's plans and select the best plan to meet your needs and goals





5. Tax-efficient Investing

Four ways to invest tax-efficiently:

- 1. <u>Know your tax rates</u>. Calculate the after-tax return on each of your investments
- 2. <u>Invest long-term</u>. Replace interest/short-term distributions with long-term capital gains/LTCG distributions
- 3. <u>Invest wisely</u>. Replace interest/short-term distributions with qualified stock dividends/stock distributions (consistent with your risk tolerance)
- 4. <u>Receive tax-exempt income</u>. Purchase muni/Treasury securities when rates are more attractive than other securities



6. Custodial Accounts: UGMA/UTMA (not recommended)

Advantages:

- Can be invested in all types of financial assets, stocks, bonds, mutual funds, etc. UTMA has fewer restrictions and may include real estate
- Can be used for any educational or other expenses, including missions

• Disadvantages:

- No tax advantages. Currently taxed at parent's rate until child is 18 years old
- Is considered the child's money as soon as the child is of age—it cannot be taken back by the issuer
- I prefer a tax-efficiently invested account





How to Save for Children's Missions

- There are fewer ways to save for children's missions
 - 1. Tax-efficiently Invested Assets (with account names to remind you of their purpose)
 - 2. Custodial accounts: UGMA/UTMA (Not Recommended)





1. Tax-efficient Investing

Four ways to invest tax-efficiently:

- 1. <u>Know your tax rates</u>. Calculate the after-tax return on each of your investments
- 2. <u>Invest long-term</u>. Replace interest/short-term distributions with long-term capital gains/LTCG distributions
- 3. <u>Invest wisely</u>. Replace interest/short-term distributions with qualified stock dividends/stock distributions (consistent with your risk tolerance)
- 4. <u>Receive tax-exempt income</u>. Purchase muni/Treasury securities when rates are more attractive than other securities



2. Custodial Accounts: UGMA/UTMA (not recommended)

Advantages:

- Can be invested in all types of financial assets, stocks, bonds, mutual funds, etc. UTMA has fewer restrictions and may include real estate
- Can be used for any educational, mission, or other expense

• Disadvantages:

- No tax advantages. Currently taxed at parents rate until child is 18 years old
- Is considered the child's money as soon as the child is of age (age 21 in Utah)—it cannot be taken back
- I prefer a tax-efficiently invested account





How to Reduce the Cost of Education and Sign up for Aid

- 1. Encourage parents to begin planning early.
 - When they are born is not too soon
- 2. Fill out the FAFSA (Free Application For Federal Student Aid) on the net at www.FAFSA.ed.gov (easy to create/use an 'FSA ID' username and password).
 - Follow the instructions and do it early (usually after your tax forms are completed)
- 3. Talk with your personal OneStop counselor at BYU (D-148 ASB)
 - Call their direct line for an appointment at 801-422-7075. They will guide you in the process and help you in determining your eligibility for aid





Signing Up for Aid (continued)

- 4. Look for other available aid on the web.
 - View the following sources and utilize them:
- Helpful Websites include:
 - Onestop.byu.edu, FinancialAid.byu.edu, Scholarships.byu.edu, and nsfp.byu.edu
- BYU resources
 - BYU Counseling Center: Admissions, Financial Aid, Scholarships (801-422-4104 or 801-422-7025)
 - To have your federal aid in place by fall semester, it is wise to submit the FAFSA by June 1 the same year, unless you are planning to get married soon
 - Make an appointment with a counselor if you have questions





Resources for Financing School (continued)

- <u>www.fafsa.ed.gov</u> Free Application for Federal Student Aid. This must be filled out for any federal financial aid.
- <u>nslds.ed.gov</u> provides student a centralized, integrated view of their Title IV loans and grants
- <u>www.fastweb.monster.com</u> matches student profiles to a database of scholarships.
- <u>www.collegeboard.com</u>— connects student profiles to a database of scholarships, internships, and loans.
- <u>www.srnexpress.com</u> contains resources on scholarships, fellowships, internships, and loan forgiveness programs.
- <u>www.wiredscholar.com</u> a good website for college preparation and information.
- <u>www.finAid.org</u> a comprehensive site that has information on loans, scholarships and savings plans.





G. Understand and Create your Mission and Education Plans

• Following are a few ideas as you develop your mission and education plans





- If you choose not to help with missions/education:
 - Vision: Because we love you, believe in your ability to support yourself on your mission/education without our help, and we won't likely have the funds, we're choosing not to contribute financially to your mission/education
 - Goals: We believe a mission/education is a great goal but will mean more to you if you sacrifice to achieve it yourself, not if we make it too easy to attain
 - Plans: We will allow you to save for these goals and will give you opportunities to earn and save money
 - Constraints: None
 - Accountability: We currently do not plan to have the resources saved to be able to contribute to these worthy goals, but we will help when and if we can





- If you choose to help with missions, ideas include:
 - Vision
 - We believe serving the Lord for 18 or 24 months will make a great difference in your life.
 - Goals
 - Missions are great ways to thank the Lord for His goodness and love
 - We will begin teaching the importance of serving missions at an early age
 - We will offer opportunities to earn money to save for missions
 - We will support you as much as is possible given our financial situation





- Plans and Strategies
 - We will set aside ___% of our income after each child is born to help attain this important goal
 - We will pay for missions with appreciated mutual funds which we have put in each child's taxable account (not custody accounts)
 - We will contribute \$_ per month to help you with missions.
 - Our help will not cover your entire mission, but it will help you get through with reduced needs
 - We will match you 2 for 1 (or some multiple) of the amount of money you save for your mission
- Constraints and Accountability: Same as previous

Education Plans

- If you choose to help with education, ideas include:
 - Vision
 - We believe that getting an education will make a great difference in life, and help make you better spouse, parent, and a contributor to the Kingdom and world
 - Goals
 - We will begin teaching the importance of getting an education at an early age
 - We will offer opportunities to earn money to save for education
 - We will support you as much as is possible given 51 our financial situation for your education

Education Plans

- Plans and Strategies
 - We will set aside ___% of our income after each child is born to help attain this important goal
 - We will pay for education with 529 Savings Plans, Education IRA Savings Accounts, and taxable accounts for weddings and other needed items
 - We will contribute \$_ per month into a 529 Plan to help you with your education
 - We will match you 2 for 1 (or some multiple) of the amount of money you save for your education
 - Our help will not cover your entire education but will help you get through with reduced needs
 - Any scholarships are assumed you have earned
- Constraints and Accountability: Same as previous





Review of Objectives

- A. Do you understand how education relates to your financial goals and the principles of saving for education and missions?
- B. Do you understand the priority of money for financing education and missions?
- C. Do you understand how to save you're your children's missions and education and to reduce the cost of education and sign up for aid?
- D. Do you understand how to prepare mission and education plans?





Case Study #1

Data

Anne and Bryan, ages 35 and 38, are planning for their children's education. They are looking at the Education IRA, I bonds, and the 529 Savings Plan. They have three children, ages 2, 4, and 7, and make \$50,000 a year. They save 20% of their income for their goals, of which 3% is earmarked for their children's education. They would like any tax breaks they can now, as their cash flow situation is tight. Since they live in Utah, the Utah 529 Plan allows participants to deduct a 5% tax credit on contributions (up to \$2,040 for individuals and \$4,080 filing jointly in 2020) on their Utah State taxes (\$204 savings for MFJ).

Application

• Which education vehicle should they use and how much will they save in taxes?





Case Study #1 Answer

- For current benefits, they can receive a 5% tax credit on contributions up to \$2,040 totaling \$102 (\$4,080 and \$204 for married filing jointly in 2020). Assuming they put the entire planed amount in the 529 Savings Plan (\$50,000 * 3%), they can contribute \$1,500 total, or \$500 per child. They would be able to deduct the \$1,500 * 5% or \$75 as a tax credit from their Utah state taxes--\$75 in free money
- If their concern is to save money, the preferred vehicle is the Utah 529 Savings Plan. They can contribute up to a maximum \$485,000 total per child (aggregate maximum) in 2020
- The Education IRA and I bonds have no current tax advantages, but they will save money on taxes in the future when they distribute tax free