Coverdell Education Savings Account adoption agreement

Putnam INVESTMENTS

Return by mail:

Putnam Investments PO Box 219697 Kansas City, MO 64121-9697

confirmation of your elections.

Return by express delivery:

Putnam Investments 801 Pennsylvania Ave Suite 219697 Kansas City, MO 64105-1037 For more information:

Putnam Investments 1-800-225-1581 www.putnam.com Please make checks payable to Putnam Fiduciary Trust Company, LLC



Use this form to open a new Putnam Coverdell Education Savings Account (ESA).

Section 1 C	omplete	your acco	unt director/bei	neficiary information	
Section 1A - Accour	nt director inf	ormation			
Name of account di	rector				
First	MI	Last	Suffix	Social Security number (required)	Date of birth (mm/dd/yyyy; required)
The account direct	or must be th	e beneficiary's pa	rent or legal guardian.		
Director relationship					
		peneficiary. You mu or and the beneficia		eneficiary's birth certificate or adop	tion paperwork to verify the relationship
☐ Director is the	guardian of the	e beneficiary. You r	nust enclose a copy of the	guardianship appointment.	
Section 1B - Benefi	ciary informa	tion			
Name of beneficiary	1				
First	MI	Last	Suffix	Social Security number (required)	Date of birth (mm/dd/yyyy; required)
☐ Check this box	if the benefici	ary of the account I	nas special needs within the	e meaning of Internal Revenue Code Se	ection 530(b)(1).
C 1' 2 C		•		-	
Section 2 Section 2					
					peneficiary. Money placed in an UGMA/UTMA ate the source of the investment below:
_		_	xisting UGMA/UTMA accour	• • •	ate the source of the investment below.
			-	om the donor state of (requi	red)
					(-64).
Section 3 P	rovide y	our addres	s and contact in	formation	
	on file with Pu	ıtnam (if applicable			phone number below will replace the current enrolled in electronic delivery, all notifications wil
Primary mailing add	lress (street, cit	y, state, ZIP code; re	equired)		
Primary residential o	address (street	city state 7IP code	required if the mailing add	ress is a P.O. Box or c/o address)	
	1441 033 (311 001)	erty, state, 211 code	, required if the mailing add	1033 13 d 1 . 0. Box 01 c/ 0 ddd1033/	
Described to					
Beneficiary residenti	al address (stre	eet, city, state, ZIP c	ode; required if different fron	n the primary address)	ı
Primary contact pho	ne number	Prin	nary e-mail address		
Electronic delivery of					
				ng documents electronically.	
					m's secure Investor Website, which will allow statements, prospectuses, annual/semiannual
					you by U.S. mail, Putnam Investor Services will

send you an e-mail notification that the document is available through Putnam's website. Terms and Conditions related to eDelivery will be provided to you prior to

Section 4 Financial intermediary information

Please use this section to designate financial intermediary and financial representative information on your Putnam account. A financial intermediary is the broker-dealer, bank, or other financial institution through which you purchase shares of the Putnam Funds. The financial representative is the person associated with the financial intermediary who is assisting you with your investments. You may designate a financial intermediary at any time by returning a signed Financial intermediary change request to Putnam Investor Services. Putnam Retail Management Limited Partnership (PRM) will be designated as the default broker-dealer of record on your account(s) and will retain all applicable sales charges if any of the following apply:

- You do not designate a financial intermediary below.
- The financial intermediary you designate does not have a selling agreement with PRM.

Please note that PRM is not a full service broker-dealer and does not provide investment advice. As default broker-dealer, PRM cannot assist you with financial planning or provide recommendations, services that are provided by a financial intermediary. If you wish to receive such services, you must designate a financial intermediary.

Note: Ple	ease refer to https://w	ww.finra.org for assistance in locatin	g the Central Registration Depository	(CRD) number for the financia	l intermediary.
Financia	l institution ID	Branch office ID	Financial representative	ID CRD number	
Financia	l intermediary				
Financia:	l representative's nam	e exactly as it appears on the financia	l intermediary's registration	Financial representative's o	ontact phone number
Branch o	ffice street address				
City			State	ZIP code	
Section	on 5 Investr	nent instructions for	a Putnam Coverdell E	SA	
	Invest as a rollover ernative investment Solicit my current to completed Coverde Draft a one-time de S Note: The one-time	from an existing Coverdell ESA (Bene cinstructions rustee for assets held in an existing Coverdell ESA Asset Transfer Authorization For the company of the control of the c	ount for (limit of \$200,000 per fund-acc	eficiary, must be under the age Special Needs Beneficiary, mu count):	e of 30). st be under age 30; please attac
Please us correspo percenta • For Mai	anding share class you age, and contribution new investments ma rket A. or year and current yea	Guide (https://www.putnam.com/lite u wish to establish. For additional fun- year. de to Putnam: If no class of shares is ar contributions are permitted. If no c	rature/pdf/FM103.pdf) to select your id elections, please attach a separate sindicated, class A shares will be purch contribution year is indicated, all contributions, the envelope must be	sheet of paper with fund numb hased and any unallocated as: ributions will always be codec	per, fund name, dollar amount of sets will be invested into Money I for the current year in which yo
Fund nur			Dollar amount	Perce.	
			\$	or	
			\$	or	
				or	%

100%

Section 7 **Select your account features (if applicable)**

Section 7A - Bank account information (You must provide a voided check or deposit slip; please do not staple)

Note: Starter checks, brokerage checks and checkwriting checks will not be accepted.

Step 2: Option frequency

☐ Jan ☐ Feb ☐ Mar

Begin scheduled investments on

Choose a frequency below. Putnam will default to once per month if no option is selected:

☐ Apr ☐ May

(MM/DD/YYYY)

Frequency: \square Invest every month (enter investment date(s) below) or \square Invest only in the month(s) chosen below:

Please provide your bank information below to purchase shares by phone, web, or systematic investment plan. All individuals named on the bank account registration must authorize the use of the bank account to purchase shares by signing in Section 8.

Attach a preprinted or web-generated voided check/deposit slip or a signed letter from the bank on bank letterhead below. Each of these documents must include: bank name, name(s) as registered on the bank account, routing number and account number.

Name Address City, State, ZIP	V DATE
ORDER OF	
memo:	DOLLARS
J: 123456789	: 000123456789 : 101
ne(s) of all bank account owner(s)	
tion 7B — Systematic investment papers this section to establish a new ne, dollar amount, frequency and date cated (systematic investments will also investment date. If no date is select business day. If the investment date	tematic investment plan using the bank account information provided above. Please indicate the fund number, fund or your investments below. Investments will be made into the same share class selected in Section 6 unless otherwise ys be coded for the current contribution year). Putnam requests the draft from your bank account on the business day, Putnam will default to the 15th. If the investment date falls on a weekend or a holiday, the investment will be made is on a date that does not occur within a particular month (29th-31st), the investment will be made the prior day, unleases the made the next business day.
cion 7B — Systematic investment properties this section to establish a new le, dollar amount, frequency and dateated (systematic investments will alse investment date. If no date is select business day. If the investment date falls on a weekend or holiday then the	stematic investment plan using the bank account information provided above. Please indicate the fund number, fund or your investments below. Investments will be made into the same share class selected in Section 6 unless otherwise ys be coded for the current contribution year). Putnam requests the draft from your bank account on the business day I, Putnam will default to the 15th. If the investment date falls on a weekend or a holiday, the investment will be made Is on a date that does not occur within a particular month (29th-31st), the investment will be made the prior day, unle
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Note: Contributions to an ESA are not allowed for a beneficiary 18 years or older unless the beneficiary meets the requirements for a special needs exemption within the meaning of Internal Revenue Code Section 530(b)(1). Putnam will automatically stop the systematic investment plan for all ESA accounts on the beneficiary's 18th birthday unless they qualify for the special needs exemption as indicated by the check box in Section 1 of this form.

(DD)

☐ June ☐ July ☐ Aug ☐ Sept ☐ Oct ☐ Nov ☐ Dec

Additional investment date(s) within each month (if applicable)

(DD)

(DD)

Section 7 Select your account features (if applicable)(continued)

Section 7C — Reduced sales charge

Funa

If you already own shares of another Putnam fund, or if you agree to invest a certain amount, you may be able to reduce the sales charge you pay. Shares that have not been assessed a sales charge will not count towards your Cumulative Discount or Letter of Intent. This includes commissionable shares of the Putnam Money Market Fund, the Putnam Government Money Market Fund, and the Ultra Short Duration Income Fund, as well as closed end funds and Putnam class Y shares.

CUMULATIVE DISCOUNT	LETTER OF INTENT
,	By checking an amount below, I agree to the terms and conditions for a Letter
number(s) of other Putnam fund(s) that you or your family (spouse and/or children	of Intent as set forth in the Statement of Additional Information (including the
under age 21) own.	escrowing of shares). Although I am not obligated to complete a Letter of Inter
	plan to invest in any armore Dutney funds over a 12 month period an aggreg

er age 21) own.			escrowing of shares). Although I am not obligated to complete a Letter of Intent, I
number	Account number		plan to invest in one or more Putnam funds over a 13-month period an aggregate amount equal to at least the amount of the box checked below. I am aware that if
	-		I do not invest at least this amount over a 13-month period any purchases made pursuant to this Letter of Intent will be adjusted to the commission rate that
		1	otherwise would apply.
	_		

\$50,000	\$100,000	□ \$250,000
\$500,000	\$1,000,000	

Section 8 Coverdell ESA agreement

I do not authorize telephone redemptions. Accept only written instructions signed by me and all registered owners.

Unless I have checked the box above, Putnam Investor Services, Inc. is authorized to act upon redemption instructions received by telephone from me or any other person claiming to act as my representative who can provide Putnam with my account registration and address as it appears on Putnam's records. Redemption proceeds of up to \$100,000 will be sent to me at an address on record with Putnam for at least 15 days. Putnam will not be liable for unauthorized transactions if it employs reasonable procedures to confirm that instructions received by telephone are genuine. I agree to indemnify and hold harmless Putnam Investor Services, Inc. and any Putnam funds that may be involved in transactions authorized by telephone against any claim or loss in connection with any telephone transaction effected on my account.

I do not authorize the mailing of only one shareholder report, one prospectus, or one set of proxy materials if there are multiple accounts in a Putnam fund at my address. Send a separate copy for every account.

Unless I have checked the box above, Putnam Investor Services, Inc. is authorized to send only one shareholder report, one prospectus, or one set of proxy materials for **all** accounts in any Putnam fund at my address.

Important notice regarding Putnam's privacy policy: By signing this application, I acknowledge that Putnam's privacy policy is available for viewing and printing via Putnam's website at https://www.putnam.com/policies/

If I/we have completed the bank account information in Section 7, I/we authorize my/our bank/credit union to accept debit/credit entries initiated by Putnam Investor Services to my/our account and to debit/credit, as requested, the same to my/our account, without responsibility for correctness thereof or for the existence of any further authorization relating thereto. I/we hereby acknowledge that the initiation of an ACH transaction through Putnam is to purchase securities, and accordingly any transaction requested by me/us through the ACH system is irrevocable. I/we authorize Putnam to make a follow-up attempt in retrieving those monies which are denied due to insufficient funds (i.e. systematic purchase bounce). I/we agree to indemnify and hold harmless my/our bank/credit union, the Putnam funds, and Putnam Investor Services for any loss, liability, or expense incurred from acting on these instructions. I/we also agree to waive any right under the NACHA Rules to rescind any instruction for ACH transactions which have already occurred at the time of the attempt to rescind. This waiver of the rescission right applies to both ACH investments in and ACH redemptions from the Putnam Funds. This authorization may be terminated by me/us at any time by written notification to Putnam Investor Services, with reasonable time given to implement my/our request. Putnam Investor Services may amend or terminate this agreement at any time. You will be notified before any such changes go into effect. For bank account information (Section 7), Putnam does not assess a fee for federal bank wire and/or ACH transactions on your account(s). Some banks/credit unions may not offer ACH transactions or may charge a fee to conduct such transactions. Please check with your financial institution for information regarding eligibility, fees and applicable routing number(s) for federal bank wire and/or ACH transactions.

If I have completed a Letter of Intent (LOI) in Section 7, I agree that the minimum initial investment, which will be held in escrow until the full LOI amount is purchased, is 5% of the amount checked. If I invest less than the LOI amount, shares may be redeemed from my account to cover the higher sales charge. If I invest more, the sales charge will only be adjusted when and if my dealer refunds Putnam its portion of the adjustment. I will not receive LOI credit for shares purchased by dividend reinvestment

In accordance with federal law, the Putnam funds are required to obtain the name, residential or business address, Social Security or tax identification number, and date of birth for each registered owner in order to verify their identities. For certain entities such as trusts, estates, corporations, partnerships, or other organizations, additional documentation may be required (see the following terms and conditions or call Putnam at 1-800-225-1581). The funds are unable to accept new accounts if any required information is not provided. If the funds are unable to verify your identity, your account will be closed at the then-current NAV, which may be more or less than your original investment, and the proceeds will be sent to you, net of any applicable sales charges. With respect to any such distribution, I elect that no amount be withheld for federal income taxes due on the taxable part of any such distribution, and I acknowledge that I can incur penalties if my withholding or estimated tax payments for the year are not sufficient. I further understand that under federal tax law I will have 60 days from date of receipt by me to roll over such distribution to another IRA or eligible plan that will accept it. I will consult my professional tax advisor if I have any questions about the tax consequences of any such distribution.

The information you provide may be shared with third parties for the purpose of verification subject to the terms of Putnam's privacy policy.

Section 8 Coverdell ESA agreement (continued)

I hereby (I) adopt The Putnam Coverdell Education Savings Account Plan (the "Plan") as a Coverdell Education Savings Account under Section 530 of the Internal Revenue Code of 1986, as amended, on behalf of the above-named Beneficiary; (II) acknowledge receipt of the Plan and Disclosure Statement; (III) have received and have read a current prospectus of any Putnam fund and description of any investment option selected; (IV) appoint Putnam Fiduciary Trust Company, LLC as Trustee; (V) acknowledge that the terms in the Putnam Coverdell ESA Adoption Agreement have the meanings set forth in the Plan; and (VI) agree that an annual maintenance fee of \$25 will automatically be deducted from the account in accordance with Putnam's annual maintenance fee policy for accounts with a balance below \$50,000 on the day the fee is scheduled to be taken. I also acknowledge that Putnam's annual maintenance fee policy is subject to change. I also certify under the penalties of perjury that the Social Security number of the Beneficiary set forth in Section 1 is true, correct, and complete.

My signature below indicates I have read the fund prospectus(es) and agree to the terms therein and herein, and agree to receive a copy of Putnam's privacy notice with the confirmation of my investment.

Signature of account director (required)	Current date (mm/dd/yyyy)
Print name of signature above	
Signature of bank account owner(s)	
All individuals named on the bank account registration in Section 7 who did not already sign above as a Putnam account bank account to purchase shares. By signing below, each bank account owner authorizes purchases to be made for	
Signature of bank account owner (required if different from Putnam account director)	Current date (mm/dd/yyyy)
Print name of signature above	
Signature of bank account owner (required if different from Putnam account director)	Current date (mm/dd/yyyy)
Print name of signature above	