

# LOUISVILLE HIGH SCHOOL EMPLOYEES

## Screens Summary (Data as of 12-31-2021)

⊖ Fund Removed from Approved List    ⚠ Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense				
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail	
<b>US Stock</b>																
Vanguard Dividend Growth Inv <i>percentile rank</i> <i># of funds in category</i>	VDIGX	Large Blend	24.84 72 1,394	22.36 74 1,256	16.97 53 1,121	14.65 68 831	✔	15.52	0.83	15.92	✔	☒	✖	0.26	✔	
Vanguard 500 Index Admiral <i>percentile rank</i> <i># of funds in category</i>	VFIAX	Large Blend Index	28.66 23 1,394	26.03 24 1,256	18.43 18 1,121	16.51 11 831	✔	17.42	1.00	5.68	✔	☒	✔	0.04	✔	
MFS Growth R6 <i>percentile rank</i> <i># of funds in category</i>	MFEKX	Large Growth	23.76 40 1,241	30.98 37 1,120	24.76 27 1,020	19.26 19 772	✔	16.73	0.89	19.76	✔	☒	✔	0.53	✔	
⚠ Invesco Diversified Dividend R6 <i>percentile rank</i> <i># of funds in category</i>	LCEFX	Large Value	19.38 94 1,212	14.66 85 1,148	8.67 92 1,041	– – 759	✔	16.64	0.84	7.84	✔	☒	✔	0.44	✔	
MFS Mid Cap Growth R6 <i>percentile rank</i> <i># of funds in category</i>	OTCKX	Mid-Cap Growth	14.17 46 591	28.84 35 541	22.30 20 494	– – 383	✔	17.84	0.84	13.12	✔	☒	✔	0.66	✔	
Vanguard Selected Value Inv <i>percentile rank</i> <i># of funds in category</i>	VASVX	Mid-Cap Value	27.75 66 415	20.54 26 393	10.94 41 353	12.59 50 267	✔	26.96	1.20	16.86	✔	☒	✔	0.31	✔	
PGIM Jennison Small Company R6 <i>percentile rank</i> <i># of funds in category</i>	PJSQX	Small Growth	29.54 7 617	28.75 27 582	17.37 52 520	15.06 53 394	✔	25.96	1.04	8.10	✔	☒	✖	0.69	✔	
DFA US Small Cap Value I <i>percentile rank</i> <i># of funds in category</i>	DFSVX	Small Value	39.84 12 447	19.08 36 419	8.97 49 393	12.54 26 301	✔	28.18	1.10	9.85	✔	☒	✔	0.39	✔	
<b>Non-US Stock</b>																
American Funds New World R6 <i>percentile rank</i> <i># of funds in category</i>	RNWXG	Diversified Emerging Mkts	5.13 27 794	19.03 9 721	14.59 8 616	9.58 3 344	✔	17.60	0.88	22.56	✔	☒	✔	0.57	✔	
American Funds Intl Gr and Inc R6 <i>percentile rank</i> <i># of funds in category</i>	RIGGX	Foreign Large Blend	10.12 54 771	14.97 27 704	10.55 21 607	7.90 49 415	✔	18.84	1.09	13.26	✔	☒	✔	0.54	✔	
Invesco Oppenheimer International Gr R6 <i>percentile rank</i> <i># of funds in category</i>	OIGIX	Foreign Large Growth	10.99 39 452	20.62 40 387	12.50 72 333	– – 225	✔	17.28	0.95	25.79	✔	☒	✔	0.69	✔	
Vanguard International Value Inv <i>percentile rank</i> <i># of funds in category</i>	VTRIX	Foreign Large Value	7.97 87 350	12.31 19 326	9.16 4 286	7.57 16 180	✔	19.55	1.11	11.60	✔	☒	✔	0.35	✔	
American Funds Capital World Gr&Inc R6 <i>percentile rank</i> <i># of funds in category</i>	RWIGX	World Stock	15.15 78 328	18.79 56 284	13.55 49 237	11.96 36 145	✔	16.15	0.94	15.92	✔	—	✔	0.42	✔	

## LOUISVILLE HIGH SCHOOL EMPLOYEES

## Screens Summary (Data as of 12-31-2021)

Fund Removed from Approved List
 Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense			
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail
<b>Alternative</b>															
PIMCO Commodity Real Ret Strat Instl	PCRIX	Commodities Broad Basket	33.48	14.74	5.99	-1.76		18.67	1.19	7.00		—	—	0.82	
<i>percentile rank</i>			25	7	21	42									
<i># of funds in category</i>			114	109	86	55									
Vanguard Real Estate Index Admiral	VGSLX	Real Estate	40.40	19.95	11.24	11.51		18.85	0.94	25.65		—		0.12	
<i>percentile rank</i>			59	42	49	31									
<i># of funds in category</i>			255	235	202	151									
<b>Fixed Income</b>															
Eaton Vance Income Fund of Boston R6	EIBRX	High Yield Bond	5.89	8.17	5.60	—		8.42	0.90	7.16		—	—	0.66	
<i>percentile rank</i>			20	40	36	—									
<i># of funds in category</i>			680	636	560	373									
Vanguard Inflation-Protected Secs Adm	VAIPX	Inflation-Protected Bond	5.68	8.24	5.18	2.98		3.69	0.94	10.38		—	—	0.10	
<i>percentile rank</i>			33	35	33	24									
<i># of funds in category</i>			210	203	180	125									
Baird Aggregate Bond Instl	BAGIX	Intermediate-Term Bond	-1.46	5.43	4.01	3.74		3.86	1.09	21.27			—	0.30	
<i>percentile rank</i>			40	20	13	9									
<i># of funds in category</i>			426	389	351	256									
PIMCO Income Instl	PIMIX	Multisector Bond	2.61	5.46	5.08	6.97		5.79	0.83	14.77		—	—	0.62	
<i>percentile rank</i>			45	58	25	1									
<i># of funds in category</i>			339	277	238	134									
Federated Hermes Govt Ultrashort R6	FGULX	Ultrashort Bond	0.06	1.20	1.32	—		0.54	0.05	24.49		—	—	0.24	
<i>percentile rank</i>			53	73	72	—									
<i># of funds in category</i>			239	214	175	94									
PIMCO International Bond (USD-Hdg) Instl	PFORX	World Bond	-1.67	3.86	3.55	4.78		3.60	0.71	7.27		—	—	0.52	
<i>percentile rank</i>			41	61	28	4									
<i># of funds in category</i>			125	110	81	48									
<b>Target Date</b>															
Vanguard Target Retirement 2015 Fund	VTXVX	Target Date	5.78	10.24	7.71	7.46		6.82	0.81	8.86		—		0.12	
<i>percentile rank</i>			97	85	78	68									
<i># of funds in category</i>			123	118	89	45									
Vanguard Target Retirement 2020 Fund	VTWNX	Target Date	8.17	12.55	9.26	8.71		9.04	0.97	8.86		—		0.13	
<i>percentile rank</i>			68	49	37	32									
<i># of funds in category</i>			172	161	127	65									
Vanguard Target Retirement 2025 Fund	VTTVX	Target Date	9.80	14.17	10.35	9.60		10.69	1.02	8.86		—		0.13	
<i>percentile rank</i>			57	39	30	20									
<i># of funds in category</i>			222	205	169	89									
Vanguard Target Retirement 2030 Fund	VTHRX	Target Date	11.38	15.45	11.23	10.36		11.97	0.99	8.86		—		0.14	
<i>percentile rank</i>			61	50	42	24									
<i># of funds in category</i>			223	204	169	94									

# LOUISVILLE HIGH SCHOOL EMPLOYEES

## Screens Summary (Data as of 12-31-2021)

⊖ Fund Removed from Approved List    ⚠ Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management		Style		Expense				
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail
Vanguard Target Retirement 2035 Fund <i>percentile rank</i> <i># of funds in category</i>	VTTHX	Target Date	12.96 79 215	16.66 57 202	12.06 47 166	11.10 31 86	✔	13.24	0.95	8.86	✔	—	✔	0.14	✔
Vanguard Target Retirement 2040 Fund <i>percentile rank</i> <i># of funds in category</i>	VFORX	Target Date	14.56 81 217	17.89 53 204	12.88 40 169	11.69 31 94	✔	14.51	0.94	8.86	✔	—	✔	0.14	✔
Vanguard Target Retirement 2045 Fund <i>percentile rank</i> <i># of funds in category</i>	VTIVX	Target Date	16.16 68 215	19.06 49 202	13.55 38 166	12.04 25 85	✔	15.74	0.96	8.86	✔	—	✔	0.15	✔
Vanguard Target Retirement 2050 Fund <i>percentile rank</i> <i># of funds in category</i>	VFIXX	Target Date	16.41 74 217	19.19 56 204	13.62 43 169	12.07 28 86	✔	15.77	0.94	8.86	✔	—	✔	0.15	✔
Vanguard Target Retirement 2055 Fund <i>percentile rank</i> <i># of funds in category</i>	VFFVX	Target Date	16.44 78 215	19.18 62 202	13.61 51 164	12.05 34 65	✔	15.77	0.94	8.86	✔	—	✔	0.15	✔
Vanguard Target Retirement 2060 Fund <i>percentile rank</i> <i># of funds in category</i>	VTTSX	Target Date	16.44 81 209	19.17 67 189	13.61 57 140	— — —	✔	15.75	1.44	8.86	✔	—	✔	0.15	✔
Vanguard Target Retirement 2065 Fund <i>percentile rank</i> <i># of funds in category</i>	VLXVX	Target Date	16.46 76 135	19.13 79 17	— — —	— — —	✖	15.79	1.44	4.47	✔	—	✔	0.15	✔

### Balanced

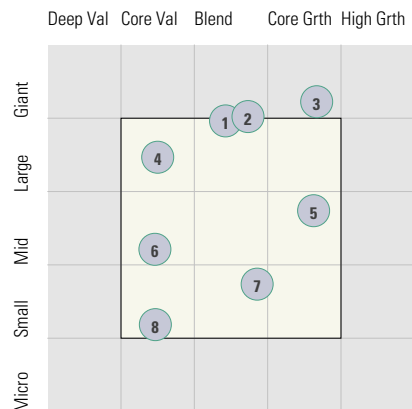
American Funds American Balanced R6 <i>percentile rank</i> <i># of funds in category</i>	RLBGX	Moderate Allocation	16.11 28 711	15.58 41 666	11.78 24 602	11.47 10 434	✔	10.34	0.95	23.01	✔	—	✔	0.26	✔
--	-------	------------------------	--------------------	--------------------	--------------------	--------------------	---	-------	------	-------	---	---	---	------	---

# LOUISVILLE HIGH SCHOOL EMPLOYEES

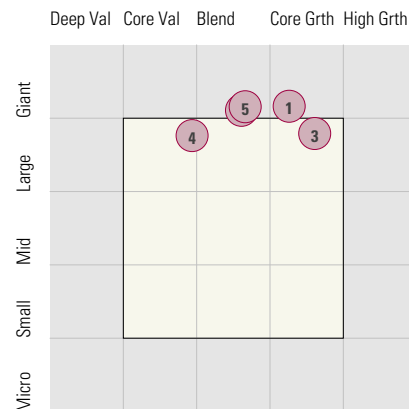
## Style Analysis (Data as of 12-31-2021)

### Style Analysis

Morningstar Style Box US Stock



Morningstar Style Box Non-US Stock



#### US Stock Funds

	Category	Super Sectors %			Asset Allocation %			Avg Mkt Cap M\$	
		Cyclical	Defensive	Sensitive	Cash	US Stock	Foreign		
1	Vanguard Dividend Growth Inv	Large Blend	32.48	36.50	31.03	0.86	89.28	9.86	153.23
2	Vanguard 500 Index Admiral	Large Blend Index	30.22	22.16	47.62	0.47	98.51	1.02	230.90
3	MFS Growth R6	Large Growth	26.15	14.82	59.04	0.62	95.29	4.09	309.75
4	Invesco Diversified Dividend R6	Large Value	28.61	36.90	34.48	2.49	89.00	8.50	80.47
5	MFS Mid Cap Growth R6	Mid-Cap Growth	30.38	19.73	49.90	0.97	88.15	10.88	22.87
6	Vanguard Selected Value Inv	Mid-Cap Value	49.53	14.25	36.22	3.59	88.74	7.66	9.02
7	PGIM Jennison Small Company R6	Small Growth	40.38	21.97	37.66	0.30	91.33	4.91	5.10
8	DFA US Small Cap Value I	Small Value	51.08	10.04	38.88	2.62	94.28	2.94	2.89

#### Non-US Stock Funds

	Category	Super Sectors %			Regional Exposure %			Market Maturity %			
		Cyclical	Defensive	Sensitive	Americas	Greater Asia	Greater Europe	Developed	EM%	Avg Mkt Cap M\$	
1	American Funds New World R6	Diversified Emerging Mkts	37.47	21.32	41.22	37.45	39.39	23.15	61.07	38.93	66.76
2	American Funds Intl Gr and Inc R6	Foreign Large Blend	38.21	22.80	38.99	12.73	30.07	57.20	83.84	16.16	55.02
3	Invesco Oppenheimer International Gr R6	Foreign Large Growth	26.51	25.10	48.39	14.64	19.39	65.97	95.86	4.14	38.36
4	Vanguard International Value Inv	Foreign Large Value	47.50	14.47	38.04	12.41	36.27	51.31	82.31	17.69	30.20
5	American Funds Capital World Gr&Inc R6	World Stock	34.39	23.26	42.36	54.54	19.07	26.40	89.59	10.41	118.51

#### Fixed Income Funds

	Category	Super Sectors %				Other Stats		Credit Quality %		
		US Govt Debt	Mtg	US Credit	Non US	Avg Eff Duration	Inv Grade	Below Inv Grade	NR/NA	
1	Eaton Vance Income Fund of Boston R6	High Yield Bond	0.00	0.00	88.31	0.00	3.41	0.77	96.03	3.20
2	Vanguard Inflation-Protected Secs Adm	Inflation-Protected Bond	97.81	0.00	0.00	0.00	7.70	97.79	0.00	2.21
3	Baird Aggregate Bond Inst	Intermediate-Term Bond	30.09	18.36	43.28	0.00	6.78	99.30	0.70	0.00
4	PIMCO Income Instl	Multisector Bond	53.76	6.54	15.92	0.00	1.74	81.00	19.00	0.00
5	Federated Hermes Govt Ultrashort R6	Ultrashort Bond	12.75	49.06	0.00	0.00	0.40	100.00	0.00	0.00
6	PIMCO International Bond (USD-Hdg) Instl	World Bond	64.24	3.07	7.24	0.00	7.02	93.00	7.00	0.00

# LOUISVILLE HIGH SCHOOL EMPLOYEES

## Target Date Analysis (Data as of 12-31-2021)

### Target Date Allocation

● Stocks ● Cash ● Bonds ● Other



### Target Date Portfolio Data

#### Asset Allocation %

	Total Stock	US Stock	Non-US Stock	Total Bond	Infl Prot Bond	HY Bond	Cash	Other	Avg Mkt Cap \$M
Vanguard Target Retirement 2015 Fund	30.36	18.11	12.25	65.78	19.08	0.24	3.36	0.50	73.70
Vanguard Target Retirement 2020 Fund	44.76	26.98	17.78	51.87	14.46	0.20	2.95	0.42	74.41
Vanguard Target Retirement 2025 Fund	56.19	33.94	22.25	40.74	2.58	0.19	2.67	0.39	74.55
Vanguard Target Retirement 2030 Fund	64.47	38.93	25.54	32.65	0.00	0.16	2.54	0.33	74.53
Vanguard Target Retirement 2035 Fund	71.81	43.33	28.48	25.31	0.00	0.12	2.62	0.26	74.47
Vanguard Target Retirement 2040 Fund	79.01	47.60	31.41	18.29	0.00	0.09	2.51	0.19	74.37
Vanguard Target Retirement 2045 Fund	86.30	52.07	34.23	10.88	0.00	0.05	2.70	0.13	74.47
Vanguard Target Retirement 2050 Fund	88.31	53.29	35.02	8.97	0.00	0.04	2.61	0.11	74.48
Vanguard Target Retirement 2055 Fund	88.15	53.35	34.80	9.05	0.00	0.04	2.70	0.11	74.69
Vanguard Target Retirement 2060 Fund	88.01	53.55	34.46	9.09	0.00	0.04	2.78	0.11	75.05
Vanguard Target Retirement 2065 Fund	87.90	52.71	35.19	9.12	0.00	0.04	2.87	0.11	74.06