

# THE LEAGUERS INC 403B PLAN

## Screens Summary (Data as of 12-31-2022)

🚫 Fund Removed from Approved List    ⚠️ Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense		ESG Metrics				
			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	Sustain. Rating	Commit. Level	Carbon Risk	
US Stock																		
American Funds Invmt Co of Amer R6	RICGX	Large Blend	-15.26	6.87	7.41	11.28	✔️	19.53	0.91	30.85	✔️	🇺🇸	✔️	0.27	✔️	1	-	Low Risk
percentile rank			31	61	76	63												
# of funds in category			1,379	1,247	1,137	837												
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Vanguard 500 Index Admiral	VFIAX	Large Blend Index	-18.15	7.62	9.39	12.52	✔️	21.17	1.00	6.68	✔️	🇺🇸	✔️	0.04	✔️	3	1-Low	Low Risk
percentile rank			52	33	25	13												
# of funds in category			1,379	1,247	1,137	837												
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Vanguard Growth Index Admiral	VIGAX	Large Growth	-33.14	6.05	9.61	12.80	✔️	24.60	1.03	28.02	✔️	🇺🇸	✔️	0.05	✔️	4	1-Low	Low Risk
percentile rank			71	43	34	29												
# of funds in category			1,237	1,133	1,056	807												
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Vanguard Value Index Adm	VVIAX	Large Value	-2.08	8.21	8.56	11.91	✔️	20.48	0.94	28.02	✔️	🇺🇸	✔️	0.05	✔️	2	1-Low	Medium Risk
percentile rank			21	29	20	9												
# of funds in category			1,233	1,161	1,105	825												
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Vanguard Mid-Cap Growth Index Admiral	VMGMX	Mid-Cap Growth	-28.84	4.86	7.81	10.90	✔️	24.98	1.00	9.86	✔️	🇺🇸	✔️	0.07	✔️	3	1-Low	Medium Risk
percentile rank			64	42	40	45												
# of funds in category			592	540	505	395												
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Vanguard Mid-Cap Value Index Admiral	VMVAX	Mid-Cap Value	-7.90	6.74	6.39	10.98	✔️	24.01	0.96	16.38	✔️	🇺🇸	✔️	0.07	✔️	4	1-Low	Medium Risk
percentile rank			47	50	40	13												
# of funds in category			407	395	374	274												
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Vanguard Small Cap Growth Index Admiral	VSGAX	Small Growth	-28.39	0.79	5.10	9.27	✔️	25.67	0.95	18.01	✔️	🇺🇸	✖️	0.07	✔️	4	1-Low	Medium Risk
percentile rank			55	80	71	72												
# of funds in category			604	576	534	405												
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Vanguard Small Cap Value Index Admiral	VSIAX	Small Value	-9.31	7.13	5.79	10.28	✔️	26.84	0.96	6.68	✔️	🇺🇸	✔️	0.07	✔️	4	1-Low	Medium Risk
percentile rank			37	41	28	13												
# of funds in category			483	455	428	324												
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Non-US Stock																		
American Funds New World R6	RNWGX	Diversified Emerging Mkts	-21.75	1.01	3.04	4.98	✔️	20.37	0.90	23.56	✔️	🇺🇸	✔️	0.57	✔️	3	1-Low	Low Risk
percentile rank			58	17	3	2												
# of funds in category			820	736	652	397												
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Vanguard Developed Markets Index Admiral	VTMGX	Foreign Large Blend Index	-15.32	1.33	1.67	4.92	✔️	21.45	1.08	9.86	✔️	🇺🇸	✔️	0.07	✔️	2	1-Low	Low Risk
percentile rank			47	28	35	20												
# of funds in category			763	723	630	440												
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Vanguard International Growth Adm	VWILX	Foreign Large Growth	-30.79	3.14	4.75	7.84	✔️	24.95	1.05	13.02	✔️	🇺🇸	✔️	0.34	✔️	3	-	Low Risk
percentile rank			82	9	13	4												
# of funds in category			443	399	346	230												
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Vanguard International Value Inv	VTRIX	Foreign Large Value	-11.66	1.30	1.36	4.31	✔️	21.95	1.04	12.60	✔️	🇺🇸	✔️	0.36	✔️	2	-	Medium Risk
percentile rank			75	40	27	25												
# of funds in category			356	326	303	180												
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American Funds New Perspective R6	RNPGX	Global Stock	-25.61	5.54	7.69	10.29	✔️	22.44	1.09	22.10	✔️	---	✔️	0.41	✔️	2	2-Basic	Low Risk
percentile rank			46	17	17	11												
# of funds in category			366	309	272	179												

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Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense		ESG Metrics				
			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	Sustain. Rating	Commit. Level	Carbon Risk	
													Updated	Updated	Updated			
<b>Alternative</b>																		
PIMCO Commodity Real Return Strat I2	PCRPX	Commodities Broad Basket	9.02	13.51	7.16	-1.52	✔	22.32	1.17	4.17	✔	—	—	0.86	✔	3	—	—
<i>percentile rank</i>			90	51	41	73												
<i># of funds in category</i>			114	109	91	65												
													11-30-2022	—	—			
Vanguard Real Estate Index Admiral	VGSLX	Real Estate	-26.20	-0.41	3.68	6.42	✔	22.84	0.96	26.65	✔	—	✔	0.12	✔	3	1-Low	Low Risk
<i>percentile rank</i>			61	57	50	34												
<i># of funds in category</i>			257	238	214	155												
													11-30-2022	02-15-2022	09-30-2022			
<b>Fixed Income</b>																		
Baird Core Plus Bond Inst	BCOIX	Core Plus Bond	-12.87	-2.10	0.55	1.73	✔	6.39	1.04	22.27	✔	—	—	0.30	✔	3	1-Low	—
<i>percentile rank</i>			30	35	22	17												
<i># of funds in category</i>			623	565	513	370												
													11-30-2022	02-15-2022	—			
PIMCO International Bond (USD-Hdg) I-2	PFBPX	Global Bond	-9.93	-2.10	0.62	2.50	✔	4.88	0.64	8.27	✔	—	—	0.61	✔	3	—	—
<i>percentile rank</i>			14	14	6	3												
<i># of funds in category</i>			130	112	98	59												
													11-30-2022	—	—			
Eaton Vance Income Fund of Boston I	EIBIX	High Yield Bond	-7.93	0.78	2.52	3.95	✔	10.30	0.91	8.16	✔	—	—	0.75	✔	—	—	—
<i>percentile rank</i>			21	24	20	15												
<i># of funds in category</i>			687	630	584	417												
													—	—	—			
American Century Inflation Adjs Bond R5	AIANX	Inflation-Protected Bond	-12.21	1.12	1.79	0.84	✔	7.22	1.02	21.10	✔	—	—	0.26	✔	3	—	—
<i>percentile rank</i>			68	48	65	58												
<i># of funds in category</i>			217	204	195	138												
													11-30-2022	—	—			
Baird Aggregate Bond Inst	BAGIX	Intermediate-Term Bond	-13.35	-2.48	0.25	1.49	✔	6.23	1.05	22.27	✔	📊	—	0.30	✔	3	1-Low	—
<i>percentile rank</i>			49	31	22	9												
<i># of funds in category</i>			471	423	389	289												
													11-30-2022	02-15-2022	—			
Federated Hermes Govt Ultrashort IS	FGUSX	Ultrashort Bond	0.43	0.61	1.17	0.77	✖	0.60	0.06	25.49	✔	—	—	0.26	✔	—	—	—
<i>percentile rank</i>			39	47	63	67												
<i># of funds in category</i>			237	218	180	107												
													—	—	—			
<b>Target Date</b>																		
Vanguard Target Retirement 2020 Fund	VTWNX	Target Date	-14.15	1.33	3.22	5.83	✔	11.48	0.91	9.86	✔	—	✔	0.08	✔	3	1-Low	—
<i>percentile rank</i>			39	55	44	29												
<i># of funds in category</i>			153	143	122	56												
													11-30-2022	02-15-2022	—			
Vanguard Target Retirement 2025 Fund	VTVX	Target Date	-15.55	1.66	3.58	6.43	✔	13.38	0.96	9.86	✔	—	✔	0.08	✔	3	1-Low	Low Risk
<i>percentile rank</i>			52	46	39	18												
<i># of funds in category</i>			239	214	185	117												
													11-30-2022	02-15-2022	06-30-2022			
Vanguard Target Retirement 2030 Fund	VTHRX	Target Date	-16.27	2.09	3.94	6.99	✔	14.76	0.96	9.86	✔	—	✔	0.08	✔	3	1-Low	Low Risk
<i>percentile rank</i>			44	51	45	25												
<i># of funds in category</i>			241	214	185	110												
													11-30-2022	02-15-2022	09-30-2022			
Vanguard Target Retirement 2035 Fund	VTHX	Target Date	-16.62	2.64	4.34	7.57	✔	16.04	0.95	9.86	✔	—	✔	0.08	✔	3	1-Low	Low Risk
<i>percentile rank</i>			37	55	49	29												
<i># of funds in category</i>			232	207	182	114												
													11-30-2022	02-15-2022	09-30-2022			

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⊖ Fund Removed from Approved List    ⚠ Fund on Watch List

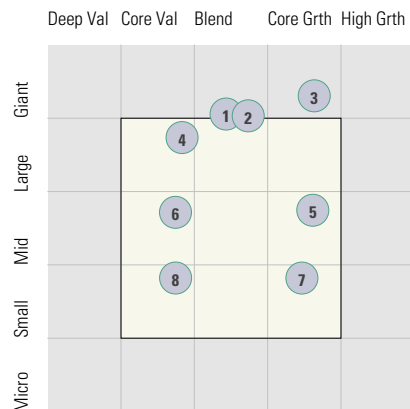
Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense		ESG Metrics					
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail	Sustain. Rating	Commit. Level	Carbon Risk	
																	Updated	Updated	Updated
Vanguard Target Retirement 2040 Fund	VFORX	Target Date	-16.98	3.17	4.74	8.06	✓	17.33	0.94	9.86	✓	—	✓	0.08	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>36</i>	<i>50</i>	<i>45</i>	<i>26</i>													
<i># of funds in category</i>			<i>236</i>	<i>208</i>	<i>185</i>	<i>110</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard Target Retirement 2045 Fund	VTIVX	Target Date	-17.36	3.74	5.14	8.34	✓	18.64	0.97	9.86	✓	—	✓	0.08	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>31</i>	<i>37</i>	<i>34</i>	<i>21</i>													
<i># of funds in category</i>			<i>232</i>	<i>207</i>	<i>182</i>	<i>113</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard Target Retirement 2050 Fund	VFIX	Target Date	-17.46	3.80	5.18	8.36	✓	18.82	0.96	9.86	✓	—	✓	0.08	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>29</i>	<i>36</i>	<i>37</i>	<i>22</i>													
<i># of funds in category</i>			<i>233</i>	<i>208</i>	<i>185</i>	<i>109</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard Target Retirement 2055 Fund	VFFVX	Target Date	-17.46	3.79	5.18	8.34	✓	18.83	0.95	9.86	✓	—	✓	0.08	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>24</i>	<i>38</i>	<i>39</i>	<i>25</i>													
<i># of funds in category</i>			<i>230</i>	<i>205</i>	<i>182</i>	<i>95</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard Target Retirement 2060 Fund	VTTX	Target Date	-17.46	3.79	5.18	8.34	✓	18.81	1.35	9.86	✓	—	✓	0.08	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>25</i>	<i>43</i>	<i>46</i>	<i>1</i>													
<i># of funds in category</i>			<i>228</i>	<i>198</i>	<i>171</i>	<i>1</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard Target Retirement 2065 Fund	VLXVX	Target Date	-17.39	3.78	5.15	—	✖	18.82	1.35	5.47	✓	—	✓	0.08	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>16</i>	<i>47</i>	<i>49</i>	<i>—</i>													
<i># of funds in category</i>			<i>176</i>	<i>64</i>	<i>15</i>	<i>—</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard Target Retirement 2070 Fund	VSVNX	Target Date	—	—	—	—	—	—	—	0.51	✖	—	✓	0.08	✓	3	—	Low Risk	
<i>percentile rank</i>			<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>													
<i># of funds in category</i>			<i>176</i>	<i>64</i>	<i>15</i>	<i>—</i>									11-30-2022	—	09-30-2022		
Vanguard Target Retirement Income Fund	VTINX	Target Date	-12.74	0.34	2.30	3.62	✓	8.59	0.88	9.86	✓	—	✓	0.08	✓	3	1-Low	—	
<i>percentile rank</i>			<i>54</i>	<i>38</i>	<i>36</i>	<i>40</i>													
<i># of funds in category</i>			<i>178</i>	<i>161</i>	<i>142</i>	<i>96</i>									11-30-2022	02-15-2022	—		
<b>Balanced</b>																			
Vanguard LifeStrategy Cnsvr Gr Inv	VSCGX	Target Risk	-14.99	0.18	2.45	4.44	✓	10.44	1.02	0.85	✖	—	✓	0.12	✓	3	1-Low	—	
<i>percentile rank</i>			<i>78</i>	<i>68</i>	<i>45</i>	<i>31</i>													
<i># of funds in category</i>			<i>467</i>	<i>433</i>	<i>406</i>	<i>300</i>									11-30-2022	02-15-2022	—		
Vanguard LifeStrategy Growth Inv	VASGX	Target Risk	-17.09	3.06	4.64	7.60	✓	17.09	1.02	0.85	✖	—	✓	0.14	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>63</i>	<i>60</i>	<i>43</i>	<i>34</i>													
<i># of funds in category</i>			<i>322</i>	<i>296</i>	<i>279</i>	<i>224</i>									11-30-2022	02-15-2022	09-30-2022		
Vanguard LifeStrategy Income Inv	VASIX	Target Risk	-13.93	-1.45	1.20	2.77	✓	7.50	0.99	0.85	✖	—	✓	0.11	✓	3	1-Low	—	
<i>percentile rank</i>			<i>85</i>	<i>84</i>	<i>64</i>	<i>42</i>													
<i># of funds in category</i>			<i>142</i>	<i>128</i>	<i>125</i>	<i>90</i>									11-30-2022	02-15-2022	—		
Vanguard LifeStrategy Moderate Gr Inv	VSMGX	Target Risk	-16.00	1.65	3.58	6.05	✓	13.71	0.99	0.85	✖	—	✓	0.13	✓	3	1-Low	Low Risk	
<i>percentile rank</i>			<i>66</i>	<i>79</i>	<i>64</i>	<i>55</i>													
<i># of funds in category</i>			<i>758</i>	<i>698</i>	<i>658</i>	<i>495</i>									11-30-2022	02-15-2022	09-30-2022		

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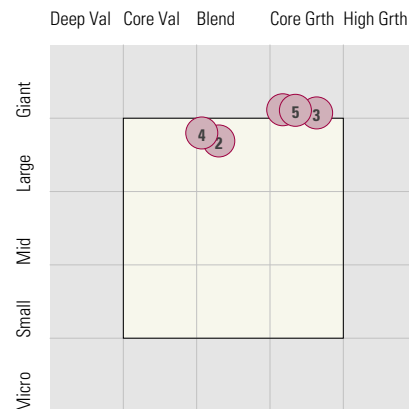
## Style Analysis (Data as of 12-31-2022)

### 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	American Funds Invmt Co of Amer R6	Large Blend	26.41	27.43	46.16	8.72	80.44	10.38	145.64
2	Vanguard 500 Index Admiral	Large Blend Index	28.67	26.71	44.61	0.33	98.54	1.12	161.35
3	Vanguard Growth Index Admiral	Large Growth	29.10	12.51	58.39	0.34	98.42	1.24	238.49
4	Vanguard Value Index Adm	Large Value	27.79	39.22	32.98	0.16	99.03	0.81	105.35
5	Vanguard Mid-Cap Growth Index Admiral	Mid-Cap Growth	27.75	17.64	54.62	0.66	98.09	1.25	23.11
6	Vanguard Mid-Cap Value Index Admiral	Mid-Cap Value	43.78	28.95	27.26	0.41	97.96	1.63	21.77
7	Vanguard Small Cap Growth Index Admiral	Small Growth	24.85	25.72	49.44	1.98	97.36	0.66	4.85
8	Vanguard Small Cap Value Index Admiral	Small Value	50.02	15.31	34.67	0.65	98.65	0.70	4.90

#### 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	38.94	24.45	36.60	39.27	39.96	20.78	59.14	40.86	49.35
2	Vanguard Developed Markets Index Admiral	Foreign Large Blend Index	41.13	22.49	36.38	11.13	36.20	52.68	99.44	0.56	27.54
3	Vanguard International Growth Adm	Foreign Large Growth	36.32	25.69	37.98	22.99	27.87	49.14	81.50	18.50	48.09
4	Vanguard International Value Inv	Foreign Large Value	43.14	16.58	40.29	12.02	37.77	50.23	79.69	20.31	25.32
5	American Funds New Perspective R6	Global Stock	36.38	25.93	37.69	62.73	11.29	25.97	95.40	4.60	100.40

#### Fixed Income Funds

	Category	Super Sectors %				Avg Eff Duration	Credit Quality %			
		US Govt Debt	Mtg	US Credit	Non US		Inv Grade	Below Inv Grade	NR/NA	
1	Baird Core Plus Bond Inst	Core Plus Bond	15.80	19.21	56.10	0.00	5.99	95.80	3.70	0.50
2	PIMCO International Bond (USD-Hdg) I-2	Global Bond	40.62	2.82	6.35	0.00	6.67	94.31	5.70	0.00
3	Eaton Vance Income Fund of Boston I	High Yield Bond	0.00	0.00	92.59	0.00	4.16	3.49	90.82	5.68
4	American Century Inflation Adjs Bond R5	Inflation-Protected Bond	90.52	0.01	4.92	0.00	7.19	97.17	0.09	2.74
5	Baird Aggregate Bond Inst	Intermediate-Term Bond	24.00	23.55	44.16	0.00	6.20	99.70	0.30	0.00
6	Federated Hermes Govt Ultrashort IS	Ultrashort Bond	6.41	29.59	0.00	0.00	0.36	100.00	0.00	0.00

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## Target Date Analysis (Data as of 12-31-2022)

### 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 2020 Fund	41.82	24.85	16.97	54.88	15.54	0.18	3.27	0.03	57.23
Vanguard Target Retirement 2025 Fund	54.03	31.84	22.19	42.94	6.25	0.15	2.99	0.03	56.84
Vanguard Target Retirement 2030 Fund	62.61	36.80	25.81	34.55	0.00	0.13	2.80	0.04	56.72
Vanguard Target Retirement 2035 Fund	69.63	40.88	28.75	27.40	0.00	0.10	2.93	0.04	56.67
Vanguard Target Retirement 2040 Fund	76.99	45.29	31.70	20.13	0.00	0.08	2.84	0.03	56.76
Vanguard Target Retirement 2045 Fund	84.31	49.69	34.62	12.96	0.00	0.05	2.69	0.04	56.84
Vanguard Target Retirement 2050 Fund	88.00	51.89	36.11	9.33	0.00	0.04	2.64	0.04	56.87
Vanguard Target Retirement 2055 Fund	87.93	51.89	36.04	9.30	0.00	0.04	2.73	0.04	56.90
Vanguard Target Retirement 2060 Fund	87.82	51.88	35.94	9.27	0.00	0.04	2.86	0.04	56.95
Vanguard Target Retirement 2065 Fund	87.85	52.34	35.51	9.12	0.00	0.04	2.99	0.04	57.35
Vanguard Target Retirement 2070 Fund	88.29	53.23	35.06	9.78	0.00	0.04	1.89	0.04	57.92
Vanguard Target Retirement Income Fund	28.79	16.96	11.83	67.58	19.62	0.20	3.60	0.02	56.82