

intro & assumptions

Dogwood Charter School

worksheet key

= input (flexible) cells

notes

general notes

- all expenses & revenues are variable based on # of students, staff members, etc; these variables are explicitly stated in each line item
- unless otherwise indicated in input columns/cells, 3% inflation is applied to all revenues & expenditures
- assumed 1% increase in per pupil rates from 2010-11 to 2011-12, 5% decrease in per pupil rates from 2011-12 to 2012-13, and 3% increases thereafter

key sensitivities

- labor cost is the major expense driver; salaries are currently estimated to rise at the rate of inflation, but this is uncertain
- PSERS & health insurance expenses are projected to increase faster than inflation (published rates used for PSERS; health ins expected to increase at 3% in real dollars)

5 YR PRO FORMA

Dogwood Charter School

	2023	2024	2025	2026	2027
Revenues					
Local					
Per pupil funding - regular education	\$ 2,779,646	\$ 3,167,371	\$ 3,562,572	\$ 3,965,361	\$ 4,375,849
Per pupil funding - special education	\$ 789,489	\$ 899,613	\$ 1,011,860	\$ 1,126,262	\$ 1,242,851
Total local funding	\$ 3,569,135	\$ 4,066,983	\$ 4,574,432	\$ 5,091,623	\$ 5,618,700
State					
Facilities Grant	\$ 27,300	\$ 30,800	\$ 34,300	\$ 37,800	\$ 41,300
total state funding	\$ 27,300	\$ 30,800	\$ 34,300	\$ 37,800	\$ 41,300
Federal					
Title I	\$ 25,448	\$ 29,571	\$ 33,920	\$ 38,502	\$ 43,329
Title II	\$ 2,828	\$ 3,286	\$ 3,769	\$ 4,278	\$ 4,814
Federal Lunch Program	\$ 39,585	\$ 46,000	\$ 52,764	\$ 59,892	\$ 67,401
IDEA pass-through		\$ 14,329	\$ 16,651	\$ 19,099	\$ 21,679
Total federal funding	\$ 67,860	\$ 93,185	\$ 107,103	\$ 121,772	\$ 137,224
Total Revenues	\$ 3,664,295	\$ 4,190,969	\$ 4,715,835	\$ 5,251,195	\$ 5,797,224
Expenditures					
personnel expenses	1,965,360	2,402,625	2,508,882	3,169,944	3,440,389
contracted services	540,820	631,359	700,077	780,842	857,032
student activities	97,500	113,300	129,960	147,518	166,013
insurance	35,993	37,573	39,148	40,754	42,392
consumable supplies	92,625	107,635	123,462	140,142	157,712
travel, telephone, printing	48,300	56,856	58,562	73,513	77,660
books/instructional aids	102,375	118,965	136,458	154,894	174,313
equipment	225,875	78,126	83,353	97,767	100,324
site costs	504,229	523,373	543,212	563,770	585,073
Total Expenditures	\$ 3,613,078	\$ 4,069,812	\$ 4,323,115	\$ 5,169,143	\$ 5,600,907
Net change in fund balance	\$ 51,217	\$ 121,157	\$ 392,721	\$ 82,051	\$ 196,317
Beginning fund balance	\$ -	\$ 51,217	\$ 172,374	\$ 565,094	\$ 647,146
Ending fund balance	\$ 51,217	\$ 172,374	\$ 565,094	\$ 647,146	\$ 843,463

Students

Dogwood Charter School

students

	2023	2024	2025	2026	2027
students by grade					
K	20	20	20	20	20
1	20	20	20	20	20
2	20	20	20	20	20
3	20	20	20	20	20
4	20	20	20	20	20
5	20	20	20	20	20
6	25	25	25	25	25
7	25	25	25	25	25
8	25	25	25	25	25
9		25	25	25	25
10			25	25	25
11				25	25
12					25
total	195	220	245	270	295
percentage SpEd	12%	12%	12%	12%	12%
# SpEd	23	26	28	31	34
# RegEd	172	194	217	239	261
% FRPL	29%	29%	29%	29%	29%
# FRPL	57	64	71	78	86

NOTES

Class Size = 20 in K-5, 25 in 6-12

assumes addition of 5 6th grade students/year

add 9th grade in FY24, 10th in FY25, etc.

Based on Chartiers Valley SpEd %

Based on Chartiers Valley ED %

REVENUES

Dogwood Charter School

revenues

revenue inflation rate >>

3.0%

				driver #1	driver #2	2023	2024	2025	2026	2027						
revenue growth factor						1.00	1.03	1.06	1.09	1.13						
local revenues																
driver:	projected annual per pupil increase					0%	1%	1%	1%	1%						
	projected annual per pupil growth factor					1.00	1.01	1.02	1.03	1.04						
Per pupil - RegEd				\$	16,125	per pupil rate	2,779,646	3,167,371	3,562,572	3,965,361	4,375,849					
Per pupil - SpEd				\$	34,902	average per pupil rate	789,489	899,613	1,011,860	1,126,262	1,242,851					
total local revenues						\$	3,569,135	\$	4,066,983	\$	4,574,432	\$	5,091,623	\$	5,618,700	
state revenues																
Start-up Grant																
Facilities Grant				\$	175	per pupil		80%	market aid ratio	27,300	30,800	34,300	37,800	41,300		
total state revenues							27,300	30,800	34,300	37,800	41,300					
federal revenues																
Title I				\$	450	per applicable stud.	25,448	29,571	33,920	38,502	43,329					
Title II				\$	50	per applicable stud.	2,828	3,286	3,769	4,278	4,814					
Title III				\$	-	per applicable stud.	-	-	-	-	-					
IDEA pass-through				\$	615	per applicable stud.	-	14,329	16,651	19,099	21,679					
Lunch program				\$	700	per applicable stud.	39,585	46,000	52,764	59,892	67,401					
total federal revenues							67,860	93,185	107,103	121,772	137,224					
total							\$	3,664,295	\$	4,190,969	\$	4,715,835	\$	5,251,195	\$	5,797,224

EXPENSES

Dogwood Charter School

expenses

				expense inflation rate >>		3.0%							
		function	object	driver #1	driver #2	2023	2024	2025	2026	2027	Notes		
expense growth factor						1.00	1.03	1.06	1.09	1.13			
personnel expenses													
driver: projected annual 403b ER rate						5%	5%	5%	5%	5%			
Salaries	100			"Personnel" tab		1,435,000	1,745,850	1,813,650	2,279,200	2,460,300			
Health & dental ins	210	15.00%		of tot. salary	3%	317,795	399,395	428,597	556,389	620,418			
Life/disability ins	210	\$ 300		per employee		8,400	9,600	9,600	11,700	12,000			
FICA	220	7.65%		of tot. salary		109,778	133,558	138,744	174,359	188,213			
403(b) PSERS Alternative Plan	230	5.00%		annual rate		71,750	87,293	90,683	113,960	123,015			
unemployment ins	250	3.70%		of 1st \$8K earned		8,288	9,472	9,472	11,544	11,840			
workers comp	260	1.00%		of tot. salary		14,350	17,459	18,137	22,792	24,603			
total personnel expenses						1,965,360	2,402,625	2,508,882	3,169,944	3,440,389			
contracted services													
Business Services	2500	330	\$ 75,000	base rate		75,000	77,250	79,568	81,955	84,413			
Audit Services	2500	330	\$ 20,000	base rate		-	20,000	20,600	21,218	21,855			
Legal Services	2350	330	1.0%	of per pupil revs		35,691	40,670	45,744	50,916	56,187			
Miscellaneous Contract Services	2500	330	3%	of revenues		109,929	125,729	141,475	157,536	173,917			
Professional Development	2270	324	\$ 1,000	per FTE		28,000	32,960	33,949	42,616	45,020			
Payroll Services	2500	330	\$ 200	per FTE		5,600	6,592	6,790	8,523	9,004			
Therapy Services (speech, occ, psych)	1200	329	\$ 1,500	per applicable pupil		33,930	39,428	45,226	51,336	57,772			
E-Rate management	2500	340	\$ 12,000	base rate		12,000	12,360	12,731	13,113	13,506			
IT & Network Services	2500	340	\$ 25,000	base rate		25,000	25,750	26,523	27,318	28,138			
Transportation	2500	330	\$ 3,500	per pupil		79,170	92,000	105,528	119,785	134,802			
Food Service	3100	570	\$ 700	per pupil		136,500	158,620	181,944	206,525	232,418			
total contracted services						540,820	631,359	700,077	780,842	857,032			
student activities													
student services	3200	500	\$ 225	per pupil		43,875	50,985	58,482	66,383	74,706	field trips, internships, etc.		
after school & extended programs	3200	500	\$ 275	per pupil		53,625	62,315	71,478	81,135	91,307	sports, intramurals, school garden		
total student activities						97,500	113,300	129,960	147,518	166,013			
insurance													
property, general liability	2600	520	\$ 15,000	base	0.15%	20,496	21,286	22,074	22,877	23,696			
all other	2600	520	\$ 10,000	base	0.15%	15,496	16,286	17,074	17,877	18,696			
total insurance						35,993	37,573	39,148	40,754	42,392			
consumable supplies													
administrative	2380	610	\$ 175	per student		34,125	39,655	45,486	51,631	58,104			
instructional	1100	610	\$ 300	per student		58,500	67,980	77,976	88,511	99,608			
total consumable supplies						92,625	107,635	123,462	140,142	157,712			
other services													
travel	580	\$ 150	per FTE			4,200	4,944	5,092	6,392	6,753			
telephone/internet	530	\$ 850	per FTE			23,800	28,016	28,856	36,224	38,267			
printing & binding	550	\$ 650	per FTE			18,200	21,424	22,067	27,701	29,263			
postage & shipping	530	\$ 75	per FTE			2,100	2,472	2,546	3,196	3,377			
total other services						48,300	56,856	58,562	73,513	77,660			
books/instructional aids													
books/instructional aids	1100	640	\$ 400	per student		78,000	90,640	103,968	118,015	132,810			
instructional software	1100	618	\$ 125	per student		24,375	28,325	32,490	36,880	41,503			
total books/instructional aids						102,375	118,965	136,458	154,894	174,313			
equipment													
office furniture	2380	750	\$ 10,000	start-up	\$1,000	10,000	2,060	-	1,093	-			
student furniture	1100	750	\$ 250	per new student		48,750	6,438	6,631	6,830	7,034			

EXPENSES

staff computers	1100	750	\$ 850	per new FTE		23,800	3,502	2,380	6,852	1,195	
student computers	1100	750	\$ 500	per new pupil		97,500	12,875	13,261	13,659	14,069	Device for all students
software	1100	757	\$ 235	per pupil		45,825	53,251	61,081	69,334	78,026	
total equipment						225,875	78,126	83,353	97,767	100,324	
site costs											
building rent	2600	441	\$ 366,429	base rate/year	LOI used	366,429	377,422	388,745	400,407	412,420	
cleaning	2600	410	\$ 1.25	per sq. ft.		53,000	56,135	59,410	62,832	66,405	
utilities	2600	420	\$ 0.75	per sq. ft.		31,800	33,681	35,646	37,699	39,843	
security	2600	420	\$ 0.50	per sq. ft.		21,200	22,454	23,764	25,133	26,562	
repairs & maintenance	2600	430	\$ 0.75	per sq. ft.		31,800	33,681	35,646	37,699	39,843	
total site costs						504,229	523,373	543,212	563,770	585,073	
total						\$ 3,613,078	\$ 4,069,812	\$ 4,323,115	\$ 5,169,143	\$ 5,600,907	

Facilities

Dogwood Charter School

facilities						
	driver #1	2023	2024	2025	2026	2027
classroom/instructional space						
Kinderleiben Classroom	sq. ft.	1,200	1,200	1,200	1,200	1,200
Grades 1-2 Classroom	sq. ft.	1,600	1,600	1,600	1,600	1,600
Grades 3-4 Classroom	sq. ft.	1,600	1,600	1,600	1,600	1,600
Grades 5-6 Classroom	sq. ft.	1,600	1,600	1,600	1,600	1,600
Grades 7-8 Classrooms	sq. ft.	2,400	2,400	2,400	2,400	2,400
Grades 9-12 Classrooms	sq. ft.	0	1,200	2,400	3,600	4,800
Visual Arts Room	sq. ft.	2,500	2,500	2,500	2,500	2,500
Performing Arts Room	sq. ft.	2,500	2,500	2,500	2,500	2,500
STEM Labs (K-6, 7-12)	sq. ft.	2,800	2,800	2,800	2,800	2,800
Library	sq. ft.	3,200	3,200	3,200	3,200	3,200
Gymnasium	sq. ft.	5,000	5,000	5,000	5,000	5,000
Special Education Suite	sq. ft.	3,200	3,200	3,200	3,200	3,200
total classroom/instructional space sq. ft.		27,600	28,800	30,000	31,200	32,400
office space						
Cafeteria	sq. ft.	5,000	5,000	5,000	5,000	5,000
Main Office / Administration	sq. ft.	2,400	2,400	2,400	2,400	2,400
Reception / Security	sq. ft.	1,500	1,500	1,500	1,500	1,500
IT/Network Closet	sq. ft.	650	650	650	650	650
Custodial Closet	sq. ft.	500	500	500	500	500
Counseling / Therapy / SW Suite	sq. ft.	1800	1800	1800	1800	1800
Nurse's Office	sq. ft.	1800	1800	1800	1800	1800
Boiler Room	sq. ft.	500	500	500	500	500
Student Records / Storage	sq. ft.	650	650	650	650	650
total office space sq. ft.		14,800	14,800	14,800	14,800	14,800
total		42,400	43,600	44,800	46,000	47,200

Dogwood Charter School

personnel

salary inflation rate >> 3.0%

				FTEs					Salary Expense				
Position	Function	Base salary		2023	2024	2025	2026	2027	2023	2024	2025	2026	2027
inflation index									1.00	1.03	1.07	1.12	1.18
administration													
Executive Director	2380	\$100,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	100,000	103,000	107,000	112,000	118,000
Principal (Dir of Educ)	2380	\$ 85,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	85,000	87,550	90,950	95,200	100,300
Director of Org Development	2380	\$ 85,000	\$ / FTE	-	1.0	1.0	1.0	1.0	-	87,550	90,950	95,200	100,300
Director of Special Ed	2380	\$ 75,000	\$ / FTE	-	1.0	1.0	1.0	1.0	-	77,250	80,250	84,000	88,500
Assistant Principal (Dir of C&I)	2380	\$ 70,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	70,000	72,100	74,900	78,400	82,600
Administrative Assistant	2380	\$ 40,000	\$ / FTE	1.0	1.0	1.0	2.0	2.0	40,000	41,200	42,800	89,600	94,400
Custodian	2600	\$ 40,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	40,000	41,200	42,800	44,800	47,200
administration - total				5.0	7.0	7.0	8.0	8.0	335,000	509,850	529,650	599,200	631,300
instruction													
Elementary Teachers (K-6)	1100	\$ 50,000	\$ / FTE	7.0	7.0	7.0	7.0	7.0	350,000	360,500	374,500	392,000	413,000
MS ELA/SS (7-8)	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	50,000	51,500	53,500	56,000	59,000
HS ELA/SS (9-12)	1100	\$ 50,000	\$ / FTE	0.0	1.0	1.0	2.0	2.0	-	51,500	53,500	112,000	118,000
MS STEM (7-8)	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	50,000	51,500	53,500	56,000	59,000
HS STEM (9-12)	1100	\$ 50,000	\$ / FTE	0.0	1.0	1.0	2.0	2.0	-	51,500	53,500	112,000	118,000
K-12 PE/Health	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	2.0	2.0	50,000	51,500	53,500	112,000	118,000
K-12 Visual Arts	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	2.0	2.0	50,000	51,500	53,500	112,000	118,000
K-12 Perf Arts	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	2.0	2.0	50,000	51,500	53,500	112,000	118,000
K-12 Languages	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	2.0	2.0	50,000	51,500	53,500	112,000	118,000
Special Education	1200	\$ 50,000	\$ / FTE	2.0	2.0	2.0	2.0	3.0	100,000	103,000	107,000	112,000	177,000
Karate Instructor	1100	\$ 50,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	50,000	51,500	53,500	56,000	59,000
Classroom Assistants (K-2)	1100	\$ 30,000	\$ / FTE	3.0	3.0	3.0	3.0	3.0	90,000	92,700	96,300	100,800	106,200
instruction - total				19.0	21.0	21.0	27.0	28.0	890,000	1,019,700	1,059,300	1,444,800	1,581,200
student support													
Therapist/Coach	2140	\$ 50,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	50,000	51,500	53,500	56,000	59,000
Social Worker	2160	\$ 50,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	50,000	51,500	53,500	56,000	59,000
Career Counselor (Guidance)	2120	\$ 50,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	50,000	51,500	53,500	56,000	59,000
Nurse	2400	\$ 60,000	\$ / FTE	1.0	1.0	1.0	1.0	1.0	60,000	61,800	64,200	67,200	70,800
student support - total				4.0	4.0	4.0	4.0	4.0	210,000	216,300	224,700	235,200	247,800
total				28.0	32.0	32.0	39.0	40.0	1,435,000	1,745,850	1,813,650	2,279,200	2,460,300
student-to-staff ratio				6.96	6.88	7.66	6.92	7.38					