

# Enrollment Projections



# Purpose of Projections

- ① **Revenue Limit Calculations**
- ① **Staffing needs**
- ① **Site facilities capacity**
- ① **Site unit budget allocations**
- ① **Framework for transfer requests**

# Elements involved:

- ① **Cohort survival methodology**
- ① **Trend analysis**
- ① **Demographic data**
- ① **Other factors**
- ① **Follow-up**

# Cohort Survival: A starting point

- **Assumes all Grade K-11 students presently in district return next fiscal year**
- **Assumes all students promote one grade level**
- **Separates students by attendance class**
  - Regular Education
  - Special Education
  - Full Time Independent Study

# Trend Analysis: Enrollment

- ① **What has occurred district wide over the last few years**
- ① **What happens district wide during the course of each fiscal year**

# Cohort Survival + Trend

## Brook Knoll

CBEDS	K	1	2	3	4	5	Total:	Change
04-05	91	99	96	112	102	106	606	
05-06	94	98	100	98	108	99	597	-9
06-07	97	86	100	98	98	101	580	-17
07-08	95	93	87	98	96	98	567	-13
08-09	91	101	98	97	101	103	591	24
09-10	90	92	100	100	97	105	584	-7
10-11	90	89	97	102	103	104	585	1

# Quantify Year to Year Changes

## Brook Knoll

CBEDS	K	1	2	3	4	5	Total:
04-05	91	99	96	112	102	106	606
05-06	94	98	100	98	108	99	597
06-07	97	86	100	98	98	101	580
07-08	95	93	87	98	96	98	567
08-09	91	101	98	97	101	103	591
09-10	90	92	100	100	97	105	584
10-11	90	89	97	102	103	104	585

## Brook Knoll

# Change	<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>
Y1	7	1	2	(4)	(3)
Y2	(8)	2	(2)	0	(7)
Y3	(4)	1	(2)	(2)	0
Y4	6	5	10	3	7
Y5	1	(1)	2	0	4
Y6	(1)	5	2	3	7

# Quantify Year to Year Changes

## Brook Knoll

### # Change

	<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>
Y1	7	1	2	(4)	(3)
Y2	(8)	2	(2)	0	(7)
Y3	(4)	1	(2)	(2)	0
Y4	6	5	10	3	7
Y5	1	(1)	2	0	4
Y6	(1)	5	2	3	7

### % Change

	<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>
Y1	7.69%	1.01%	2.08%	-3.57%	-2.94%
Y2	-8.51%	2.04%	-2.00%	0.00%	-6.48%
Y3	-4.12%	1.16%	-2.00%	-2.04%	0.00%
Y4	6.32%	5.38%	11.49%	3.06%	7.29%
Y5	1.10%	-0.99%	2.04%	0.00%	3.96%
Y6	-1.11%	5.43%	2.00%	3.00%	7.22%

# Trend Analysis:

## Brook Knoll

### % Change

	<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>
Y1	7.69%	1.01%	2.08%	-3.57%	-2.94%
Y2	-8.51%	2.04%	-2.00%	0.00%	-6.48%
Y3	-4.12%	1.16%	-2.00%	-2.04%	0.00%
Y4	6.32%	5.38%	11.49%	3.06%	7.29%
Y5	1.10%	-0.99%	2.04%	0.00%	3.96%
Y6	-1.11%	5.43%	2.00%	3.00%	7.22%
1 yr Avg	-1.11%	5.43%	2.00%	3.00%	7.22%

# Trend Analysis:

## Brook Knoll

### % Change

	<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>
Y1	7.69%	1.01%	2.08%	-3.57%	-2.94%
Y2	-8.51%	2.04%	-2.00%	0.00%	-6.48%
Y3	-4.12%	1.16%	-2.00%	-2.04%	0.00%
Y4	6.32%	5.38%	11.49%	3.06%	7.29%
Y5	1.10%	-0.99%	2.04%	0.00%	3.96%
Y6	-1.11%	5.43%	2.00%	3.00%	7.22%
<b>2 yr Avg</b>	0.01%	-2.22%	-2.02%	-1.50%	-5.59%

# Kindergarten

Regular Ed	<u>K</u>
04-05	193
05-06	195
06-07	193
07-08	193
08-09	188
09-10	183
10-11	162

# Trend Analysis: Application

<b>Brook Knoll</b>	<u><b>K</b></u>	<u><b>1</b></u>	<u><b>2</b></u>	<u><b>3</b></u>	<u><b>4</b></u>	<u><b>5</b></u>	<u><b>Total</b></u>
<b>10-11</b>	90	89	97	102	103	104	585
<b>% Change</b>		<u><b>K-1</b></u>	<u><b>1-2</b></u>	<u><b>2-3</b></u>	<u><b>3-4</b></u>	<u><b>4-5</b></u>	
Y1		7.69%	1.01%	2.08%	-3.57%	-2.94%	
Y2		-8.51%	2.04%	-2.00%	0.00%	-6.48%	
Y3		-4.12%	1.16%	-2.00%	-2.04%	0.00%	
Y4		6.32%	5.38%	11.49%	3.06%	7.29%	
Y5		1.10%	-0.99%	2.04%	0.00%	3.96%	
Y6		-1.11%	5.43%	2.00%	3.00%	7.22%	
<b>3 yr Avg</b>		2.10%	3.27%	5.18%	2.02%	6.16%	
<b>3 yr Avg</b>							
<b>Projections</b>	<u><b>K</b></u>	<u><b>1</b></u>	<u><b>2</b></u>	<u><b>3</b></u>	<u><b>4</b></u>	<u><b>5</b></u>	<b>Total:</b>
11-12	90	92	92	102	104	109	589
12-13	90	92	95	97	104	110	588
13-14	90	92	95	100	99	110	586

# Trend Analysis: Application

Brook Knoll	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	
10-11	90	89	97	102	103	104	585
<b>% Change</b>		<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>	
Y1		7.69%	1.01%	2.08%	-3.57%	-2.94%	
Y2		-8.51%	2.04%	-2.00%	0.00%	-6.48%	
Y3		-4.12%	1.16%	-2.00%	-2.04%	0.00%	
Y4		6.32%	5.38%	11.49%	3.06%	7.29%	
Y5		1.10%	-0.99%	2.04%	0.00%	3.96%	
Y6		-1.11%	5.43%	2.00%	3.00%	7.22%	
2 yr Avg		-0.01%	2.22%	2.02%	1.50%	5.59%	
<b>2 yr Avg</b>							
<b>Projections</b>	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<b>Total:</b>
11-12	90	90	91	99	104	109	583
12-13	90	90	92	93	100	110	575
13-14	90	90	92	94	94	106	566

# Trend Analysis: Application

Brook Knoll	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	
10-11	90	89	97	102	103	104	585
<b>% Change</b>		<b><u>K-1</u></b>	<b><u>1-2</u></b>	<b><u>2-3</u></b>	<b><u>3-4</u></b>	<b><u>4-5</u></b>	
Y1		7.69%	1.010%	2.083%	-3.571%	-2.941%	
Y2		-8.51%	2.04%	-2.00%	0.00%	-6.48%	
Y3		-4.12%	1.16%	-2.00%	-2.04%	0.00%	
Y4		6.32%	5.38%	11.49%	3.06%	7.29%	
Y5		1.10%	-0.99%	2.04%	0.00%	3.96%	
Y6		-1.11%	5.43%	2.00%	3.00%	7.22%	
<b>1 yr Avg</b>		-1.11%	5.43%	2.00%	3.00%	7.22%	
<b>1 yr Avg</b>							
<b>Projections</b>	<b><u>K</u></b>	<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>	<b><u>4</u></b>	<b><u>5</u></b>	<b>Total:</b>
11-12	90	89	94	99	105	110	587
12-13	90	89	94	96	102	113	584
13-14	90	89	94	96	99	109	577

# Follow Up:

## Enrollment Projections 2010-11

<b>Brook Knoll</b>	<b><u>K-3</u></b>	<b><u>4-5</u></b>	<b><u>Total</u></b>	<b><u>Variance</u></b>
Projected	379	201	580	
CBEDS	377	209	586	6
Current	378	207	585	5

# Projections vs. Actual 10-11

<b>Brook Knoll</b>	<b><u>K-3</u></b>	<b><u>4-5</u></b>	<b><u>Total</u></b>	<b><u>Variance</u></b>
Projected	379	201	580	
CBEDS	377	209	586	6
Current	378	207	585	5
<b>Vinehill</b>	<b><u>K-3</u></b>	<b><u>4-5</u></b>	<b><u>Total</u></b>	<b><u>Variance</u></b>
Projected	369	176	545	
Actual	367	195	562	17
Current	363	190	553	8
<b>SVMS</b>	<b><u>6-8</u></b>			<b><u>Variance</u></b>
Projected	586			
Actual	578			-8
Current	571			-15
<b>SVHS</b>	<b><u>9-12</u></b>			<b><u>Variance</u></b>
Projected	759			
Actual	787			28
Current	780			21
<b>Independent Study</b>	<b><u>K-5</u></b>	<b><u>6-8</u></b>		<b><u>Variance</u></b>
Projected	5	6		
Actual	3	8		0
Current	3	13		5
<b>Special Day Class</b>	<b><u>K-5</u></b>	<b><u>6-8</u></b>	<b><u>9-12</u></b>	<b><u>Variance</u></b>
Projected	15	15	16	
Actual	16	15	15	0
Current	17	14	15	0

# Follow Up:

## Enrollment Projections 2010-11

<b>District</b>	<b><u>K-5</u></b>	<b><u>6-8</u></b>	<b><u>9-12</u></b>	<b><u>Total</u></b>	<b><u>Variance</u></b>	
Projected	1,145	607	775	2,527		
Actual	1,167	601	802	2,570	43	1.70%
Current	1,158	598	795	2,551	24	0.95%
<b><i>Variance</i></b>	<b>13</b>	<b>-9</b>	<b>20</b>			

# Brook Knoll

## Brook Knoll

CBEDS	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Total</u>	<u>Change</u>
04-05	91	99	96	112	102	106	606	
05-06	94	98	100	98	108	99	597	(9)
06-07	97	86	100	98	98	101	580	(17)
07-08	95	93	87	98	96	98	567	(13)
08-09	91	101	98	97	101	103	591	24
09-10	90	92	100	100	97	105	584	(7)
10-11	90	89	97	102	103	104	585	1

## Corhort %

	<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>
Y1	7.692%	1.010%	2.083%	-3.571%	-2.941%
Y2	-8.511%	2.041%	-2.000%	0.000%	-6.481%
Y3	-4.124%	1.163%	-2.000%	-2.041%	0.000%
Y4	6.316%	5.376%	11.494%	3.061%	7.292%
Y5	1.099%	-0.990%	2.041%	0.000%	3.960%
Y6	-1.111%	5.435%	2.000%	3.000%	7.216%

3 yr Avg	2.101%	3.274%	5.178%	2.020%	6.156%
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Projections	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Total</u>	<u>Change</u>
11-12	90	92	92	102	104	109	589	5
12-13	90	92	95	97	104	110	588	(1)
13-14	90	92	95	100	99	110	586	(2)

# Vinehill:

Vine Hill								
CBEDS	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Total:</u>	<u>Change</u>
04-05	99	117	94	89	108	92	599	
05-06	97	98	120	89	89	109	602	3
06-07	93	100	97	118	94	91	593	(9)
07-08	97	93	95	92	111	90	578	(15)
08-09	96	101	92	97	88	110	584	6
09-10	90	92	102	87	94	90	555	(29)
10-11	70	96	91	106	93	97	553	(2)
Corhort %		<u>K-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>		
Y1		-1.010%	2.564%	-5.319%	0.000%	0.926%		
Y2		3.093%	-1.020%	-1.667%	5.618%	2.247%		
Y3		0.000%	-5.000%	-5.155%	-5.932%	-4.255%		
Y4		4.124%	-1.075%	2.105%	-4.348%	-0.901%		
Y5		-4.167%	0.990%	-5.435%	-3.093%	2.273%		
Y6		6.667%	-1.087%	3.922%	6.897%	3.191%		
<b>3 yr Avg</b>		<b>2.208%</b>	<b>-0.391%</b>	<b>0.197%</b>	<b>-0.181%</b>	<b>1.521%</b>		
Projections	<u>K</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Total:</u>	<u>Change</u>
11-12	90	72	96	91	106	94	549	(4)
12-13	90	92	72	96	91	108	549	0
13-14	90	92	92	72	96	92	534	(15)

# Scotts Valley Middle School

## SVMS

<b>CBEDS</b>	<b><u>6</u></b>	<b><u>7</u></b>	<b><u>8</u></b>	<b><u>Total:</u></b>	<b><u>Change</u></b>
04-05	199	234	240	673	
05-06	188	196	225	609	(64)
06-07	204	181	201	586	(23)
07-08	191	202	180	573	(13)
08-09	173	182	199	554	(19)
09-10	218	178	188	584	30
10-11	186	207	178	571	(13)

<b>Corhort %</b>	<b>5-6</b>	<b>6-7</b>	<b>7-8</b>
Y1	-5.051%	-1.508%	-3.846%
Y2	-1.923%	-3.723%	2.551%
Y3	-0.521%	-0.980%	-0.552%
Y4	-7.979%	-4.712%	-1.485%
Y5	2.347%	2.890%	3.297%
Y6	-4.615%	-5.046%	0.000%

<b>3 yr Avg</b>	-3.416%	-2.289%	0.604%
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<b>Projections</b>	<b><u>6</u></b>	<b><u>7</u></b>	<b><u>8</u></b>	<b><u>Total</u></b>	<b><u>Change</u></b>
11-12	194	182	208	584	13
12-13	196	190	183	569	(15)
13-14	211	192	191	594	25

# Scotts Valley High School

## SVHS

<b>CBEDS</b>	<b><u>9</u></b>	<b><u>10</u></b>	<b><u>11</u></b>	<b><u>12</u></b>	<b><u>Total</u></b>	<b><u>Change</u></b>
04-05	255	233	210	174	872	
05-06	235	247	202	191	875	3
06-07	226	222	229	197	874	(1)
07-08	200	229	214	201	844	(30)
08-09	196	194	204	184	778	(66)
09-10	212	192	185	201	790	12
10-11	208	209	190	173	780	(10)

## Corhort %

Y1	-2.083%	-3.137%	-13.305%	-9.048%
Y2	0.444%	-5.532%	-7.287%	-2.475%
Y3	-0.498%	1.327%	-3.604%	-12.227%
Y4	8.889%	-3.000%	-10.917%	-14.019%
Y5	6.533%	-2.041%	-4.639%	-1.471%
Y6	10.638%	-1.415%	-1.042%	-6.486%

3 yr Avg	8.687%	-2.152%	-5.533%	-7.325%
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<b>Projections</b>	<b><u>9</u></b>	<b><u>10</u></b>	<b><u>11</u></b>	<b><u>12</u></b>	<b><u>Total</u></b>	<b><u>Change</u></b>
11-12	193	204	197	176	770	(8)
12-13	226	189	193	183	791	21
13-14	199	221	179	179	778	(13)

# District

## District

<b>CBEDS</b>	<b><u>K-5</u></b>	<b><u>6-8</u></b>	<b><u>9-12</u></b>	<b><u>Total:</u></b>	<b><u>Change</u></b>
04-05	1,205	673	872	2,750	
05-06	1,199	609	875	2,683	(67)
06-07	1,173	586	874	2,633	(50)
07-08	1,145	573	844	2,562	(71)
08-09	1,175	554	778	2,507	(55)
09-10	1,139	584	790	2,513	6
10-11	1,138	571	780	2,489	(24)

## Projections

<b>11-12</b>	1,138	584	770	2,492	3
12-13	1,137	569	791	2,497	5
13-14	1,120	594	778	2,492	(5)

# Class Size Penalties

Grade Level	Average Class Size	Single Class Maximum	Average number of pupils per teacher (1964)	SVUSD Contract single class maximum *	SVUSD Staffing Ratio
Kindergarten	31	33		36	29:1
Grades 1-3	30	32		36	29:1
Grades 4-8			31.1	36*	24.5:1
Grades 9-12	-	-	-	175 pupils	26:1

\* Except Middle School PE & Middle School Electives

# Process: Budget Development

- ① **Initial Projections**
- ① **Input from site administrators**
- ① **Monitor monthly enrollment**