

Efficiency of School Calendar & Schedules

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Taken from thoughts presented to the

UTAH K-16 Alliance Task Force

Is our Traditional School Schedule using Public Education Resources **Efficiently?**

Specifically:

1. Capital Investments (Buildings)
2. Human Resources (Teachers)

Considerations?

Not an Exact Science

- Engineers
 - 8+ hr engineering day*
 - 260 day contract yr
 - \$99,000 avg. salary
 - \$47.59 avg hr rate for engineering
 - High Demand
 - Supply?
- Teachers
 - 5.5+ hr teaching day*
 - 180 day contract yr
 - \$48,000 avg. salary
 - \$48.75 avg hr rate for teaching
 - High Demand
 - Supply?

*Both careers have additional demands in work time.

Proposed Trimester Schedule

213 Instructional Days

Proposed 2007 School Year	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	1st Semester	2nd Semester	3rd Semester	Total Days Off	Days Available
January	1	2	3	4	5	8	9	10	11	12	15	16	17	18	19	22	23	24	25	26	29	30	31			20			3	23
February				1	2	5	6	7	8	9	12	13	14	15	16	19	20	21	22	23	26	27	28			19			1	20
March				1	2	5	6	7	8	9	12	13	14	15	16	19	20	21	22	23	26	27	28	29	30	20			2	22
April	2	3	4	5	6	9	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30					12	6		3	21
May		1	2	3	4	7	8	9	10	11	14	15	16	17	18	21	22	23	24	25	28	29	30	31			19	4	23	
June					1	4	5	6	7	8	11	12	13	14	15	18	19	20	21	22	25	26	27	28	29			15	6	21
July	2	3	4	5	6	9	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30	31						15	7	22
August			1	2	3	6	7	8	9	10	13	14	15	16	17	20	21	22	23	24	27	28	29	30	31			16	7	23
September	3	4	5	6	7	10	11	12	13	14	17	18	19	20	21	24	25	26	27	28								19	1	20
October	1	2	3	4	5	8	9	10	11	12	15	16	17	18	19	22	23	24	25	26	29	30	31					21	2	23
November				1	2	5	6	7	8	9	12	13	14	15	16	19	20	21	22	23	26	27	28	29	30			19	3	22
December	3	4	5	6	7	10	11	12	13	14	17	18	19	20	21	24	25	26	27	28	31							12	9	21
																										71	71	71	48	261
																										213				261

- 213 workdays
- 48 non-instructional (no school) weekends not counted
- 261 Days Available

Benefits of 213 days @ 7 hrs?

- With 990 hrs of instruction, would it make a difference if?
 - School Days 213 – vs 180
 - Elem Student hrs per day 4.67 – vs. 5.5
 - Avg Teacher Salary \$72,682 – vs. \$48,260
 - Avg Class Size 20 – vs. 25
 - Elem Bldg Capacity 880 – vs. 600
 - 15000 Elem require 17 Bldgs – vs. 25
 - Net Bldg Savings \$84,000,000
 - 375 Elem Teachers – vs. 600

Salary Calculations

	\$ Avg per Inst HR	Total Days	Traditional Instruct Hrs Per Day	Total Instruct Hrs	Classes per day	Average Salary	Total with Benefits
180 DAY Traditional Salary	\$48.75	180	5.5	990		\$48,260	\$76,585
Secondary 213 DAY Salary*	\$48.75	213	7			\$72,682	\$108,661
Elementary 213 DAY Salary*	\$48.75	213	3.5	745.50	2	\$72,682	\$108,661
Instructional Parapro (Fine Arts/PE)	\$23.50	213	1.17	249.21	2	\$23,426	\$25,218
Total Instructional Hours			4.67	994.71			
Avg Cost of Health Ins & Benefits	\$13,200	* Savings with fewer teachers					
URS Defined State Retirement	23.69%						
FICA	7.65%						
Hr in 239 day Contract Year	1,912						
Hrs in 180 day contract year	1,440						

Secondary Program Redesign

213 Secondary Schedule

Block 2 hours

Split Block

1	8:00 AM	9:50 AM	1A	8:00 AM	8:50 AM
			1B	9:00 AM	9:50 AM
2	10:00 AM	11:50 AM	2A	10:00 AM	10:50 AM
			2B	11:00 AM	11:50 AM
Lunch	12:00 PM	12:50 PM		12:00 PM	12:50 PM
3	1:00 PM	2:50 PM	3A	1:00 PM	1:50 PM
			3B	2:00 PM	2:50 PM
4	3:00 PM	4:50 PM	4A	3:00 PM	3:50 PM
			4B	4:00 PM	4:50 PM

Graduation Requirements

- State Mandated 24 Credit Hours
 - 4 Language Arts
 - 3 Math
 - 3 Social Studies
 - 3 Science
 - 1.5 Art
 - 2 Health
 - 1 Vocational
 - .5 Computer Literacy
 - .5 Financial Literacy
 - 5.5 Electives

Graduation Flexibility

24 Credit Hour Distribution

	SCHEDULE		Freshman			Sophomore			Junior			Senior		
	From	To	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
Example A	8:00 AM	10:00 AM	X	X	X	X	X	X	X	X	X	X	X	X
	10:00 AM	12:00 AM	X	X	X	X	X	X	X	X	X	X	X	X
	1:00 PM	3:00 PM												
	3:00 PM	5:00 PM												

	SCHEDULE		Freshman			Sophomore			Junior			Senior		
	From	To	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
Example B	8:00 AM	10:00 AM	X	X		X	X		X	X		X	X	
	10:00 AM	12:00 AM	X	X		X	X		X	X		X	X	
	1:00 PM	3:00 PM	X	X		X	X		X	X		X	X	
	3:00 PM	5:00 PM												

	SCHEDULE		Freshman			Sophomore			Junior			Senior		
	From	To	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
Example C	8:00 AM	10:00 AM	X	X		X	X		X	X				
	10:00 AM	12:00 AM	X	X		X	X		X	X				
	1:00 PM	3:00 PM	X	X		X	X		X	X				
	3:00 PM	5:00 PM	X	X		X	X		X	X				

	SCHEDULE		Freshman			Sophomore			Junior			Senior		
	From	To	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
Example D	8:00 AM	10:00 AM	X	X	X	X	X	X						
	10:00 AM	12:00 AM	X	X	X	X	X	X						
	1:00 PM	3:00 PM	X	X	X	X	X	X						
	3:00 PM	5:00 PM	X	X	X	X	X	X						

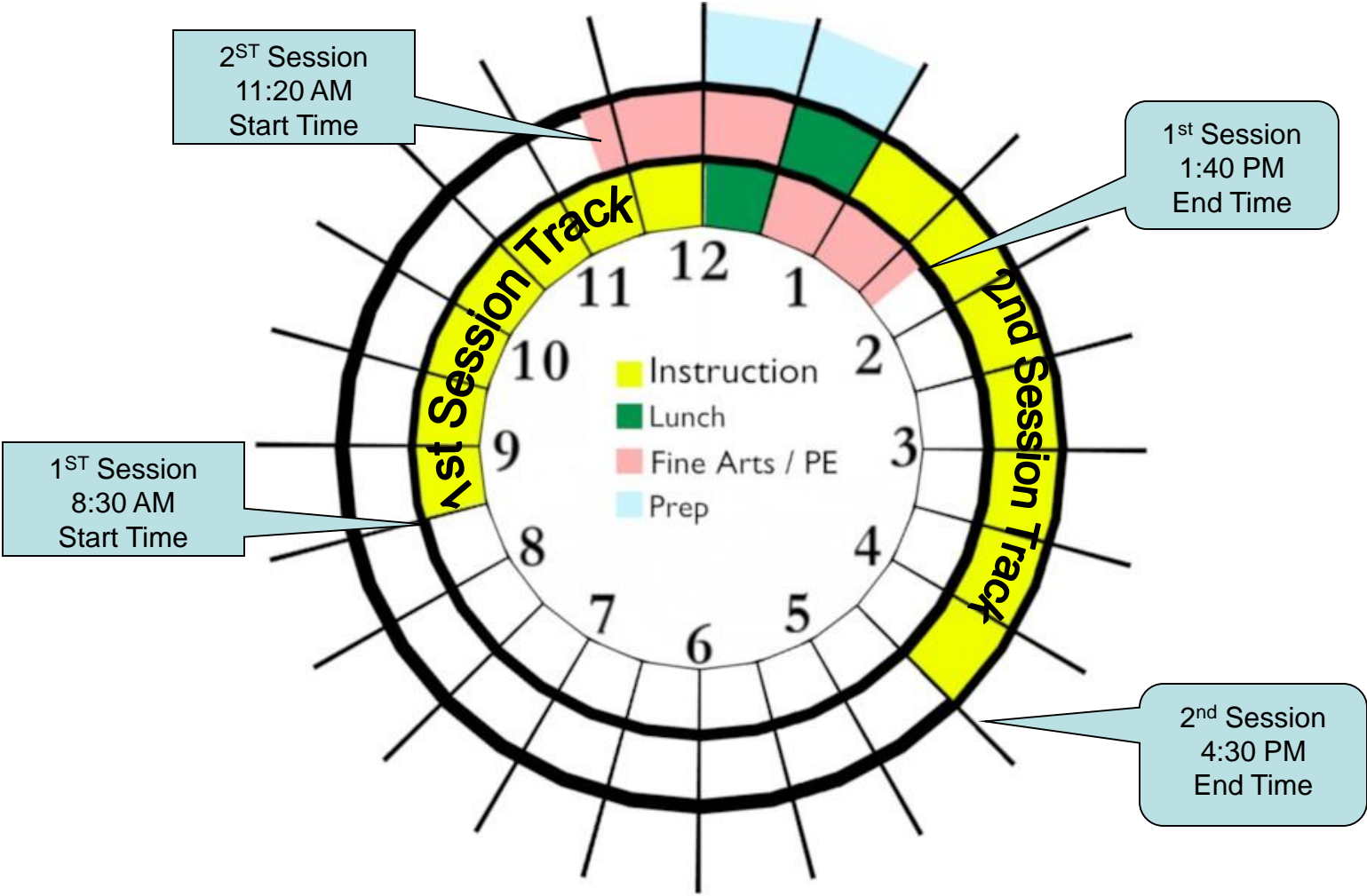
Elementary Program Redesign

Elementary 213 Split Session

- Smaller Class Size
- 990 hours in 213 days
- Shorter Days -min 4 hrs and 40 min
 - Traditional – 5 hours and 30 minutes
- 3.5 Hours Core Instructional Time
- Flexible up to 2 hour Specialist Time
 - Combined Fine Arts and PE Curriculum
- Helps Transportation Scheduling

Split Elementary 213 Day Schedule

3.5 Hours Teaching – Specialist



Teacher Work Schedule

- 7 Hour Instructional Time
- 3.5 Hours Each Track

Fine Arts/PE Specialist Work Schedule

- 2 hr 20 min, Instructional Time
- 1 hr 10 min Each Track

Cost Comparison

			180		213
Annual Cost of Operations		FTEs	Total Cost	FTEs	Total Cost
Teacher Salary	\$48.75	24.0	\$1,838,032	22.0	\$2,390,546
Instructional Parapro (Fine Arts/PE)	\$23.50	0.0	\$0	3.0	\$129,322
Avg Administrative Salary	\$86,130	1.0	\$127,884	1.5	\$191,826
Counselor	\$51,250	0.4	\$32,576	0.6	\$48,864
Custodial	\$17.27	1.6	\$91,468	2.3	\$131,485
Secretary	\$16.55	2.0	\$76,666	2.0	\$97,468
Media	\$12.16	1.0	\$36,515	1.0	\$44,158
Computer Lab	\$13.37	1.0	\$38,836	1.0	\$38,836
Paraprofessionals	\$11.30	6.5	\$113,859	6.5	\$151,180
Utilities			\$25,000		\$28,000
Heating / Cooling			\$120,000		\$150,000
Grounds Maintance			\$25,000		\$25,000
Bulding Depreciation			\$175,000		\$175,000
Total Operational Cost			\$2,700,836		\$3,601,684
Total Students Per Building			600		880
Total Classes Held			24		44
Class Size			25		20
Total Cost Per Student			\$4,501.39		\$4,092.82
				Savings	\$409

Building and HR Savings

	180	213
Cost per Building	\$12,000,000	\$12,000,000
Capacity per Elem Building	600	880
District Elementary Enrollment	15,000	15,000
Buildings Required at Full Capacity	25	17
Total Cost of Capital	\$300,000,000	\$204,000,000
Net Savings		\$96,000,000
Cost Per Student Savings per yr		\$409
Total District Elem Cost Savings per Yr		\$6,128,557.26