

Quiénes somos | El equipo

Juan Duque Arquitecto del proyecto





Marijke Smit Socia Directora del proyecto



John Berg Socio Asesor del proyecto Josh Jackson Estrategias de Planificación Director





Resumen de la presentación

- 1. Introducciones
- 2. Cuestiones claves para el Distrito Escolar Unificado del Norte del Condado de Monterey (NMCUSD por sus siglas en inglés)
- 3. Acerca de MKThink
- 4. Nuestra propuesta de proceso
- 5. Casos de estudio relevantes
- 6. Resumen & discusión

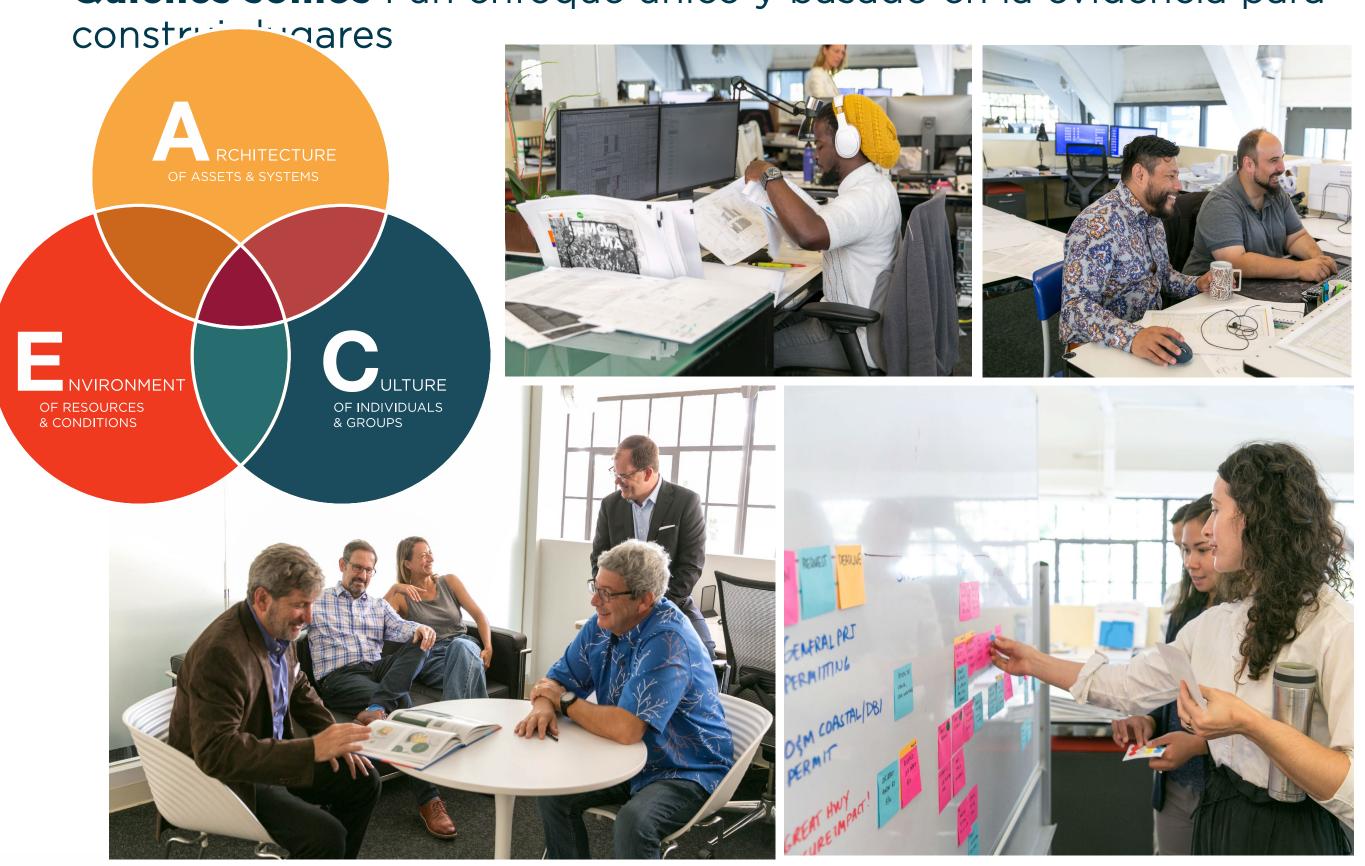


Los problemas a resolver

- Las instalaciones no pueden acomodar la cantidad actual de estudiantes inscritos
- Instalaciones envejecidas en una era de estrés incrementado en los recursos físicos
- Hay que animar al público participante a apoyar las mejoras escolares
- Escasez de fondos para construir una salida al problema



Quiénes somos I un enfoque único y basado en la evidencia para





Experiencia | conocimiento intersectorial + profunda experticia en educación primaria, media y secundaria (K-12 en inglés)

Robert Half

University of Santa Clara

University of Santa Clara School of Law

University of Santa Clara Business School

Stanford Law School

Stanford School of Medicine

Stanford Graduate School of Education

Stanford LBRE

Stanford Medicine: Lucile Packard Hospital

Stanford Management Company Children's

San Francisco Unified School District

City of Dublin

City of Emeryville

City of Davis

Emery Unified School District

Santa Clara Valley Water District

Sonoma County Library

Golden Gate University

WeWork

Project Frog:

Scotts Valley USD Sar Fremont USD Lor

New Haven USD

South SF USD Oakland USD

Evergreen ESD

Santa Ana USD Long Beach USD

Redondo Beach USD

Los Angeles USD Jacoby Creek SD

National Parks Service

Arlington Unified School District, VA

AltSchool

Berkeley Unified School District

Hillbrook School

Oakland Unified School District

Town School for Boys

UC Santa Cruz

Financial Engines

General Motors

Marin Country Day School

Midpeninsula Regional Open Space

Mozilla, Inc.

VMWare

The Nature Conservancy

Jupiter Communications

University of San Francisco

UC Hastings

UC Berkeley, Boalt Hall School of Law

Hawaii Department of Education

University of Hawaii, Manoa

Occidental College

San Francisco Zoo

San Francisco SPCA









Experencia I medimos nuestro éxito por el valor que desbloqueamos

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34		461	

Hawaii Department of Education

Lucile Packard Children's Hospital

Oakland Unified School District

Santa Clara University

Stanford d.School

Stanford Graduate School of Business

Stanford University School of Law

The Nature Conservancy

Town School for Boys

Thomas Jefferson University Hospital

University of San Francisco

UC Berkeley School of Law

Result

Evitado \$55M CapEx | Ahorra \$20M OpEx

Evitado \$12M CapEx | por una edificio nuevo

Aligned 6.8M SF | Ahorra \$10M/year OpEx

Evitado \$25M CapEx | Reducido \$4M/year OpEx

24% mas capacidad de estudiante Perfil elevado

Plan maestro guiado \$350M CapEx proyecto y recaudación de fondos

10 años de servicios guiados \$120M CapEx

Ahorra \$800k/year OpEx | Espacio de trabajo con la marca de la misión

Evitado \$36M CapEx | 21st Century Teaching Tool

Evitado \$10M CapEx | por una edificio nuevo

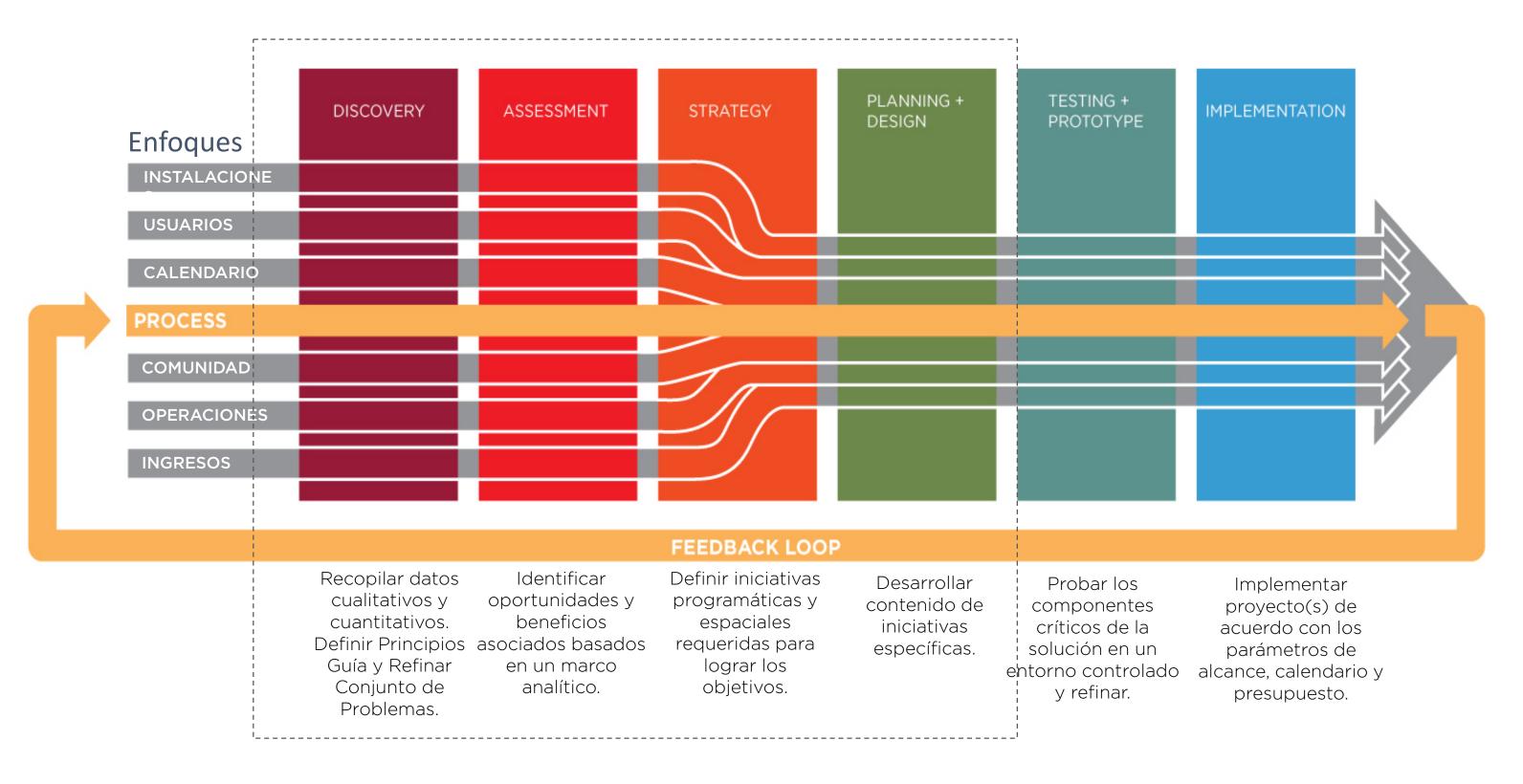
Evitado \$40M CapEx | por una edificio nuevo

Evitado \$18M CapEx | por una edificio nuevo





Enfoque de MKThink I Un proceso integrado y consistente







Enfoque para el NMCUSD I Plan de trabajo para el Plan Maestro

	DISCOVERY	ASSESSMENT	STRATEGY	PLANNING
1.1 MEET WITH DISTRICT FACILITIES COMMITTEE	Convene District Facilities Steering Committee, Goal & objective alignment			
1.2 a COMMUNITY OUTREACH	Engage community members on Facilities Master Plan process through in-person workshops & digital forums			
1.2 b DATA COLLECTION & GAP ANALYSIS	Assess completeness & logic of existing data & conduct gap analysis to ID any additional necessary outstanding data			
1.3 DEVELOP CONDITIONS (NEEDS) ASSESSMENT - CURRENT		Data collection & review process, evaluating existing site conditions, curriculum & educational goals of District		
1.4 DEVELOP CONDITIONS (NEEDS) ASSESSMENT - FUTURE		Assist with prioritizing short & long-term District needs, incorporating community needs & recommendations for repairs & upgrades, etc		
1.5 DEMOGRAPHICS & ENROLLMENT PROJECTIONS		Review & update demographic study with housing market & enrollment projections studies, & provide sizing recommendations		
1.6 CAPACITY & UTILIZATION STUDY & DETERMINATION OF ELIGIBILITY FOR STATE FUNDING		Perform school site capacity study, including facilities inventory. Provide recommendations on max site sizes, possible additions or new sites		
1.7 FACILITIES EQUITY STUDY		Analyze and compare teaching and support spaces between the school sites, determine need for changes or additions		
1.8 DEVELOP FUTURE FACILITIES NEEDS, ALTERNATIVES & ED SPECS			Assist in establishing educational specifications to reflect District's facilities standards & educational goals	
1.9 COST ESTIMATES			Identify and project all costs associated with recommendations	
1.10 PREP FINAL DIGITAL FACILITIES MASTER PLAN				Help prep final digital Facilities Master Plan to be uploaded to District's website & accessed by District's constituents.
1.11 FACILITATION OF FC PRESENTATION				Assist with facilitation of FC presentation/discussion of findings & recommendations to Governing Board in workshop setting
1.12 PRESENTATION TO GOVERNING BOARD				Assist with presentation of draft Facilities Master Plan to Governing Board for feedback prior to finalization & approval by Board

Escuelas Públicas de Arlington - Caso de estudio

Problema: Inscripción estudiantil proyectada excede capacidad en todo

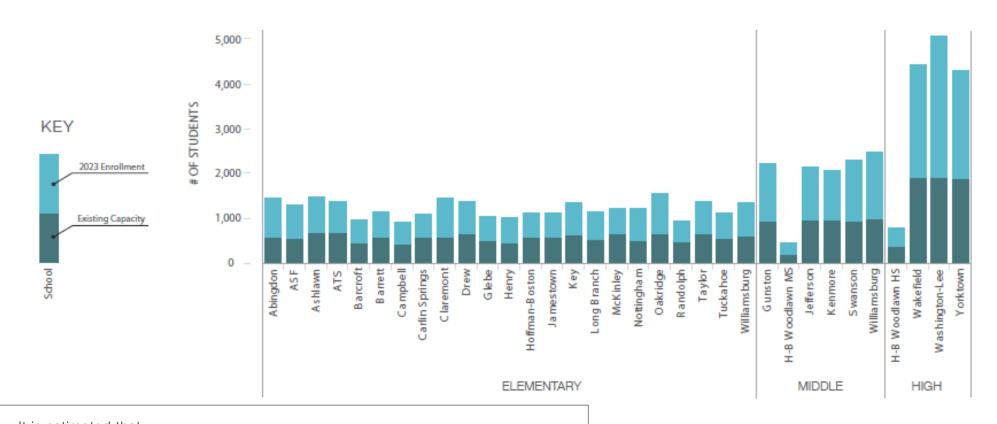
el distrito

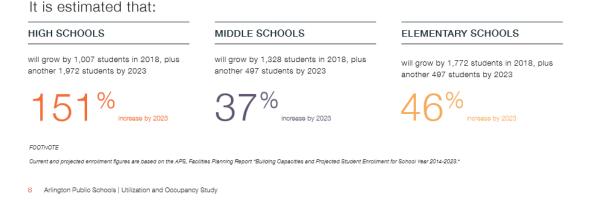
EXISTING CONDITIONS OF ARLINGTON PUBLIC SCHOOLS





2023 Projected Enrollment vs. Existing Capacity of APS





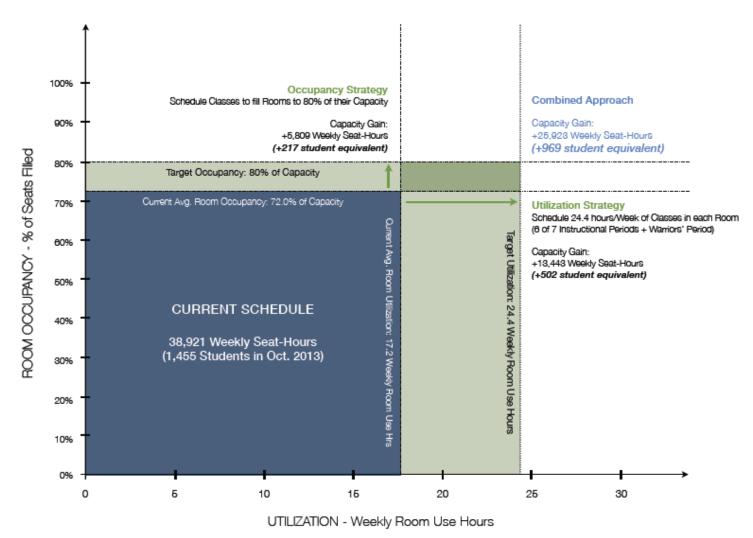




Escuelas Públicas de Arlington - Caso de Estudio

Estrategias de planificación y dimensionamiento

WAKEFIELD HIGH SCHOOL

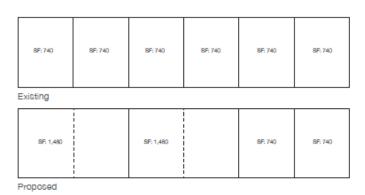


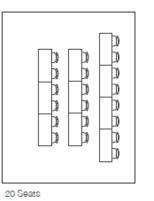
- 1. Presentar software de planificación
- 2. Capturar capacidad latente
- 3. Usar espacios adicionales

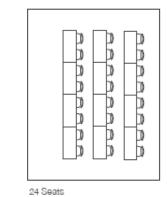
2A. Classroom Rightsizing: modify room size to better match class size

2B. Capacity Redefinition: adjust sf/student allocations to increase room capacities. This can be accomplished with the right furniture/technology that supports the learning environment.

2C. Professional Learning
Communities: provide collaborative
teacher work areas for each professional
learning communities, classrooms not
associated with individual teachers
enables higher utilization

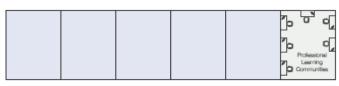








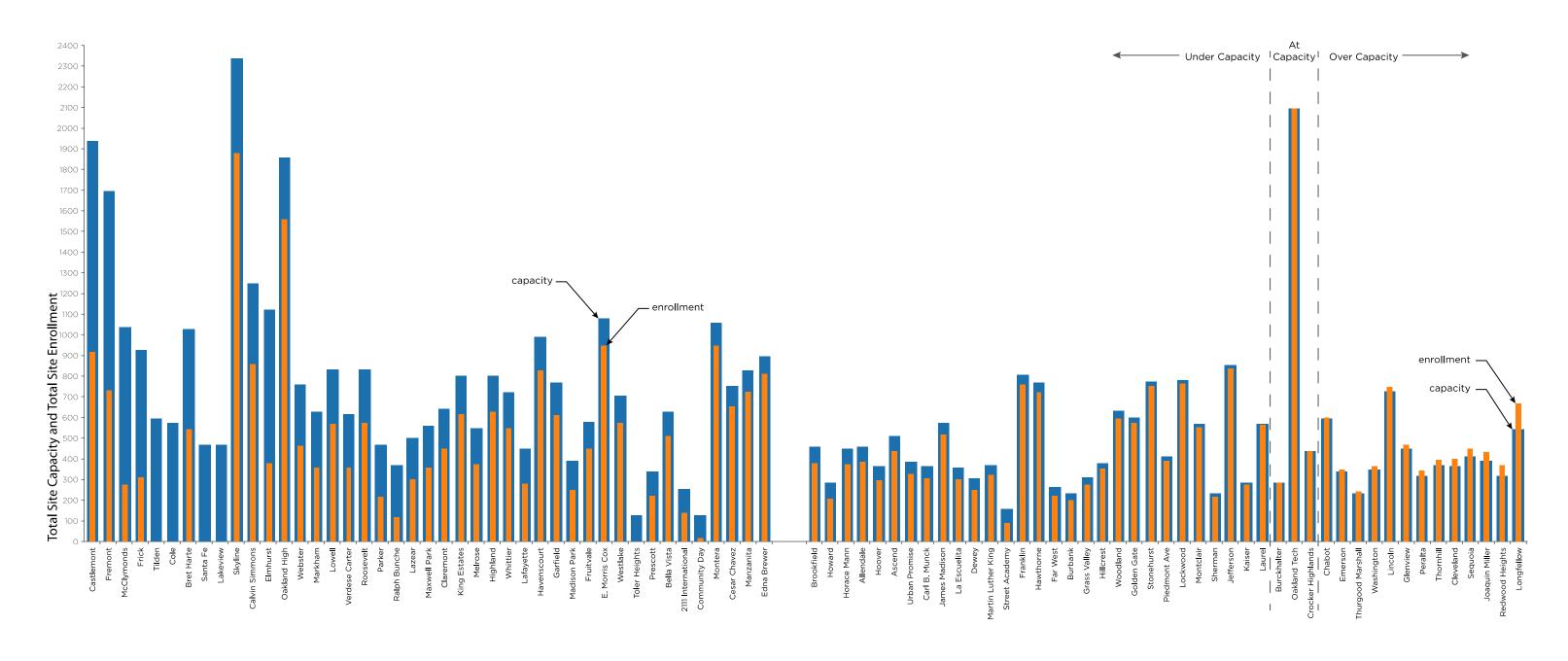
Existing - 6 Classrooms



Proposed - 5 Classrooms + 1 Teachers Prep Rooms



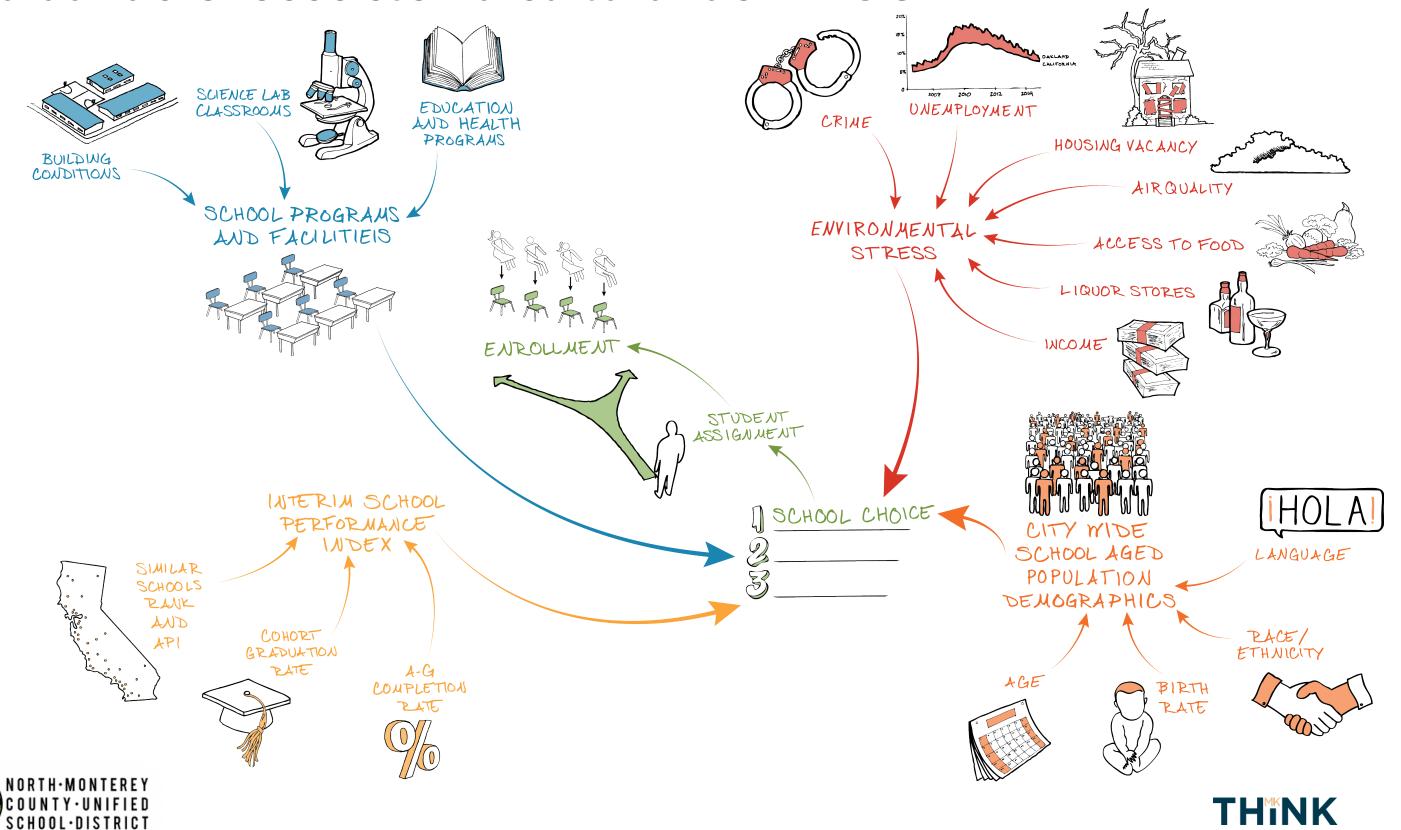
Distrito Escolar Unificado de Oakland - Caso de Estudio Problema: Restaurar la confianza del votante y pasar un bono de \$600 millones con inscripción estudiantil en declive







Distrito Escolar Unificado de Oakland - Caso de Estudio Evaluando el ecosistema cultural del DEUO

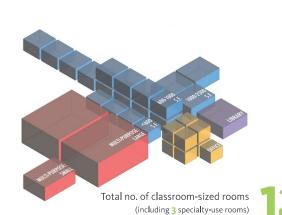


Distrito Escolar Unificado de Oakland - Caso de Estudio Evaluando las características de las instalaciones

OUSD Facility Comparison Study

	Loading Stan Current K-3: 20	25/28/30 K-5: 25	Contract Max. K: 27
	4-8: 24 9-12: 27	6-8: 28 9-12: 30	1-3: 30 4-5: 31 6-12: 32

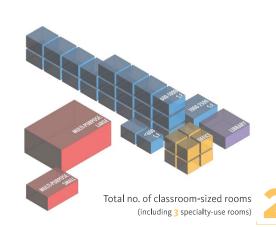
Extra-small Elementary School



		No. of classes (including split-level classes)	Capacity at:			
Grad	Grade		Current Ioading	25/28/30 Ioading	Contract Max. Ioading	
	K	1.5	30	37.5	40.5	
	1	1.5	30	37.5	45	
	2	1.5	30	37.5	45	
	3	1.5	30	37.5	45	
	4	1.5	36	37.5	46.5	
	5	1.5	36	37.5	46.5	
	specialty- use	3	192	225	268	

Total no. of students

Capacity at:



	No. of classes (including split-level classes)	Capacity at:			
Grade		Current Ioading	25/28/30 l oading	Contract Max. Ioading	
K	3	60	75	81	
1	3	60	75	90	
2	3	60	75	90	
3	3	60	75	90	
4	3	72	75	93	
5	3	72	75	93	
specialty- use	3	384	450	537	
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Total no. of students

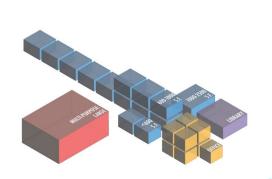
Similar sites

Similar sites

19

(21-28 rooms) 17

Small Elementary School



Total no. of classroom-sized rooms

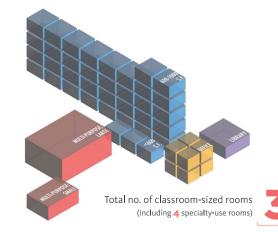
(including 3 specialty-use rooms)

			Capacity at:	
Grade	No. of classes (including split-level classes)	Current Ioading	25/28/30 Ioading	Contract Max loading
K	2	40	50	54
1	2	40	50	60
2	2	40	50	60
3	2	40	50	60
4	2	48	50	62
5	2	48	50	62
specialty- use	3	256	300	358

17

Similar sites (11-14 rooms)

Large Elementary School



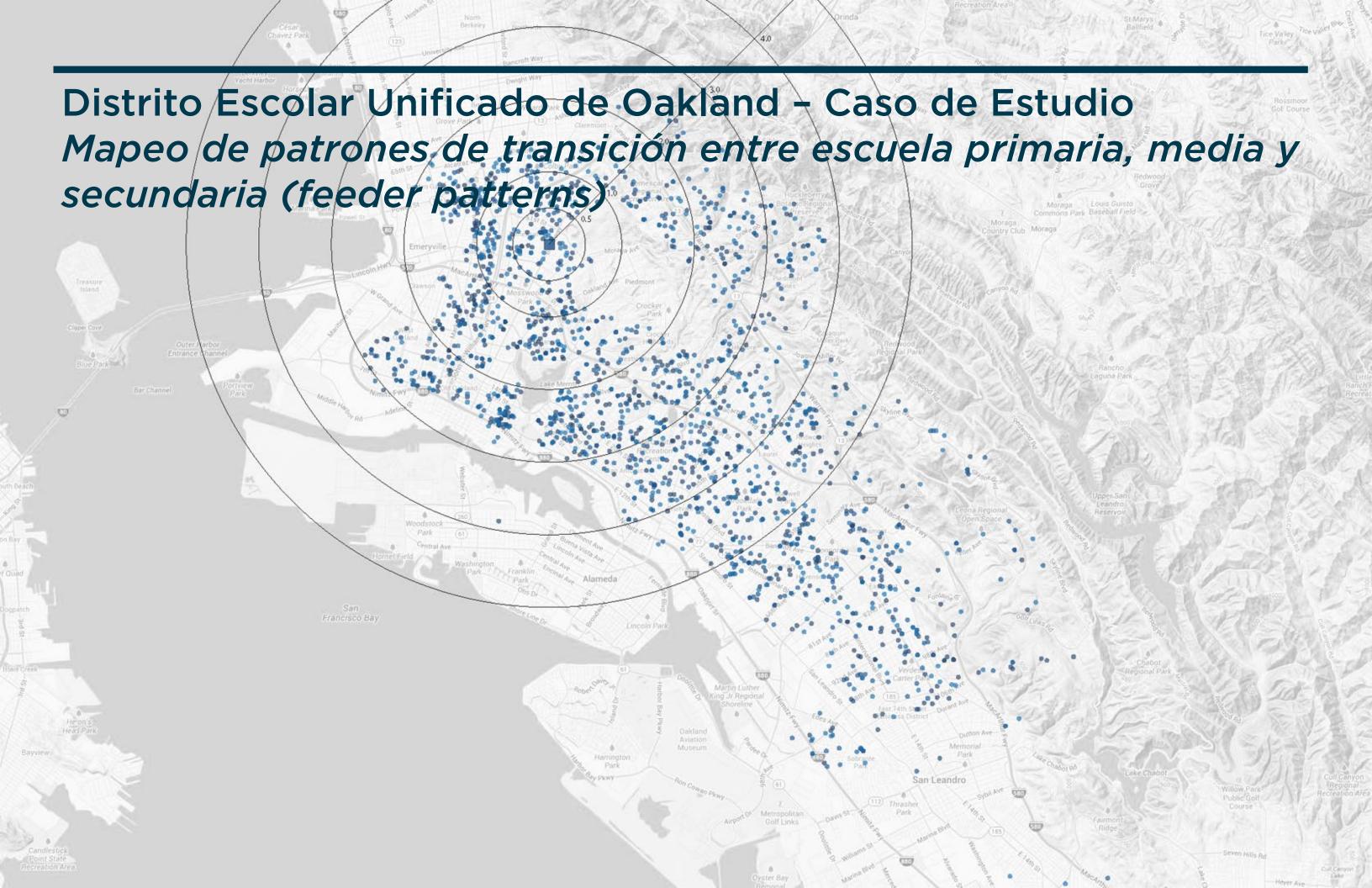
	Grade	No. of classes (including split-level classes)	Capacity at:			
			Current Ioading	25/28/30 Ioading	Contract Max Ioading	
	K	5	100	125	135	
	1	5	100	125	150	
	2	5	100	125	150	
	3	5	100	125	150	
	4	5	120	125	155	
	5	5	120	125	155	
	specialty- use	4	640	750	895	

Total no. of students

Total no. of students







Distrito Escolar Unificado de Oakland - Caso de Estudio

Involucrando a la comunidad







Departamento de Educación de Hawái: Caso de estudio Problema: Enfriando todas las escuelas de Hawái por \$100M



KEY

Dry and Warm

Annual Precipitation: 20-40 inches Annual Average Minimum Temperature: 50-55°F

Rainy and Warm

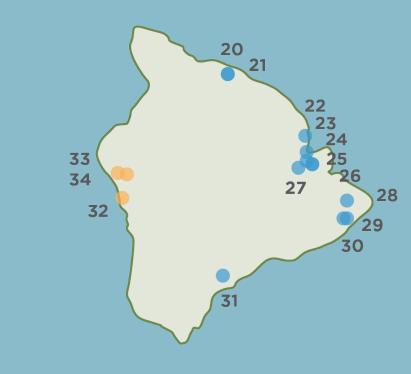
Annual Precipitation: 80-200 inches Annual Average Minimum Temperature: 40-60°F

- 1 Waimea HS
- 2 Niihau HS & ES
- 3 Waimea Canyon MS
- 4 Kekaha FS
- 5 Hanalei ES
- 6 Kilauea ES
- **7** Waialua Int & HS
- 8 Waialua ES
- 9 Haleiwa ES
- 10 Kahuku ES
- 11) Kahuku Int & HS
- 12 Molokai MS
- 13 Molokai HS
- 14 Kaunakakai ES
- 15 Lahainaluna HS
- 16 Nahienaena ES
- 17 Lahaina Int

- 18 Kamehameha III ES
- 19 Hana ES & HS
- 20 Honokaa Int & HS
- 21 Honokaa ES
- 22 Kalanianaole ES & Int
- 23 Haaheo ES
- 24 Hilo Union ES
- 25 Hilo Int
- 26 Hilo HS
- **27** De Silva ES
- 28 Keonepoko ES
- 29 Pahoa Int & HS
- **30** Pahoa ES
- 31 Kau HS & Pahala ES
- 32 Kahakai FS
- **33** Kealakehe FS
- **34** Kealakehe HS





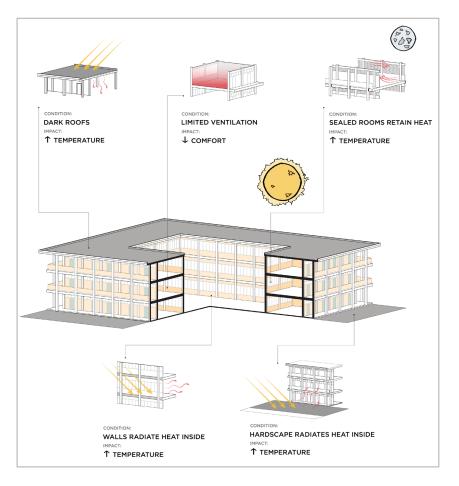


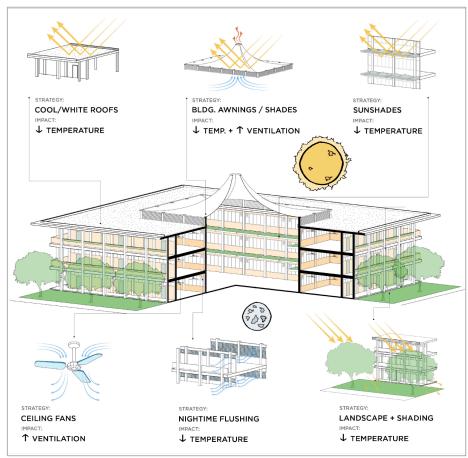


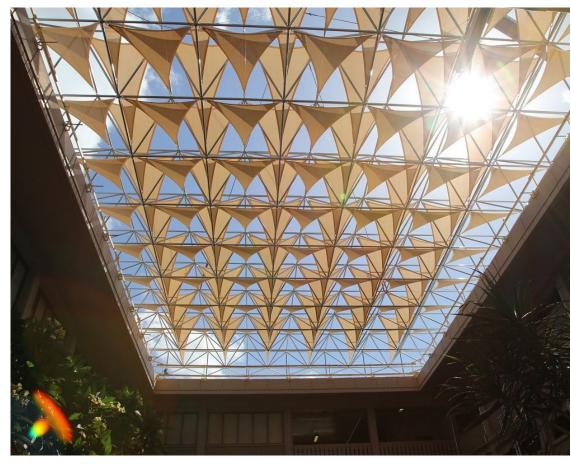




Departamento de Educación de Hawái: Caso de Estudio Desarrollando Estrategias Rentables de Diseño Pasivo























¿Por qué MKThink?

- 1. Resolvemos problemas, no proyectos
- 2. El proceso tradicional, enfocado en la arquitectura, ya no es una opción
- 3. Experiencia interdisciplinaria con profundo entendimiento de los entornos regulatorios y financieros K-12 en California
- 4. Un enfoque único, basado en la evidencia, centrado en la optimización de los resultados de los estudiantes y el personal docente
- 5. La integración de datos tanto cuantitativos como cualitativos contribuye a una verdadera comprensión de las cuestiones y a una mejor toma de decisiones
- 6. Compromiso para comprender y hacer participar a las partes interesadas de la comunidad
- 7. Historial comprobado de descubrir y aprovechar el valor oculto para nuestros clientes con ahorros significativos en los costos operativos y de capital
- 8. Compromiso a largo plazo con los clientes para llevar a cabo las iniciativas hasta su finalización

