Welcome to Strategy Session #7: Building Your Education Playlist

Moderator: Deirdre Finn, Deputy Director, Foundation for Excellence in Education
Rick Ogston, Carpe Diem Collegiate High School
Mickey Revenaugh, Connections Academy
John Danner, Rocketship Education
Darren Reed, Vice President, Hybrid School Region, K12, Inc.
Julie Young, Florida Virtual School

Today's presentations available for download at www.ExcelinEd.org/agenda
Excellence in Action
Turning reform into reality

CARPE DIEM
Schools
Leveraging Technology, Maximizing Results
The Carpe Diem
21st Century Flexible Learning Model

- Individualized learning
- Blended learning
- Whole & small group
- Multi-station technology lab
- Intervention/individualized support

Learning Center
“Curricula, Curricula, Curriculum”

Workshops, Fitness, Collaboration

- Vocabulary
- Video direct instruction
- Online content
- Journal activity
- Quiz / cumulative exam
- Practice / homework
- Online simulation tools

Interactive Workshops
20th Century Verbs - 21st Century Skills
## Details, Details, Details

<table>
<thead>
<tr>
<th>Digital Instruction</th>
<th>Traditional Instruction</th>
<th>Real World Experiences (RWE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 50% online</td>
<td>• 50% classroom/RWE</td>
<td>• Internships</td>
</tr>
<tr>
<td>• Rigorous core content requiring subject mastery (80%)</td>
<td>• 4 Highly qualified teachers, 1 per subj.</td>
<td>• Service projects</td>
</tr>
<tr>
<td>• Customizable content</td>
<td>• Data-driven interventions and workshops</td>
<td>• Educational field trips</td>
</tr>
<tr>
<td>• Personal pacing</td>
<td>• Bloom’s/21st Century application</td>
<td>• Physical fitness program</td>
</tr>
<tr>
<td>• Immediate support and feedback – online and in-person</td>
<td>• Immediate support and feedback</td>
<td>• The Seven Habits of Highly Effective Teens &amp; Character Ed</td>
</tr>
</tbody>
</table>

---

## Does it *really* work? Yes, it does!

- Four-year 94% proficiency & 36% advanced performance on state math and reading assessment
- Awarded AZ Dept. of Ed. Spotlight on Success Award for leveraging technology to boost student achievement. Current state leader in student growth (#1 for two consecutive years)
- Awarded 10 of 10 by parents on GreatSchools.com
- Recognized as one of America’s Best High Schools by *US News and World Report / BusinessWeek.com*
Math/Reading Results

4-year Comparative Proficiency Averages

And it’s “e-conomical” too!

Per Pupil Cost to Educate Students
What are parents saying?
Here are some recent comments...

Posted Tuesday, October 4, 2011
This is the "SCHOOL" that every child needs. Nothing but learning! The absolute best and it is a PUBLIC Charter School.

Posted Monday, October 3, 2011
This is the only school in Yuma that truly caters to the individual needs of each student. I don't believe you could get a more personalized education for your child even if you chose to home school them. This is the only high school in Yuma to exceed expectations for the AIMS testing in Arizona, and they've done it for five years in a row. The "blended learning" accompanied with the character education program is revolutionary. They promise to, "Educate, Empower and Equip for life" and they deliver!

Posted April 29, 2010
The enriched curriculum and the individual growth of each student is what makes the school unique and top of the class.
**Staffing**
- 273 Students:
- 4 Highly qualified teachers 68:1 STR
- 1 Personal Trainer
- 4 Para pros
- 1 Administrator
- 1 Counselor
- 1 Office Manager
- 1 Office Assistant
- 21:1 Student-Adult Ratio

**Curriculum**
- E2020
- National/State/CC aligned
- Robust Management & reporting
- Communication portals
- Immediate feedback
- Real-time progress monitoring
- Multi-modal (text, video, audio, whiteboard, widgets)

**Teacher Role**
- Student relations
- Data driven instruction
- Targeted intervention
- Extended learning projects & simulations
- Parent relations
- Connect to the learning center / application
- Scheduled/flextime to give instruction
Blended Learning: The Fusion Model
Connections at a Glance

- Founded by Sylvan® in 2001
- Pacesetter and leader in K-12 online/blended learning
- Nearly 40,000 K-12 students and 500,000 course enrollments across U.S.
- Full-time and supplementary
- Strong standardized test scores PLUS parent satisfaction rates of 93%+
- Recently acquired by Pearson

A Look Inside a Fusion School

High-Quality Online Curriculum

Differentiated Instruction

Data-Empowered Leadership

Flexible Use of Space

Flexible Use of Time

Dynamic Student Grouping
A Fusion Floor Plan

**Infusion Labs**
Math, English, Science/Social Studies

**Fusion Cafe**
Supervised flexible space for students to work independently and in small groups on electives and core—and also eat on a flexible schedule.

**Subject-area expert teachers**
Preside over Infusion Labs, working with students in groups and one-on-one.

---

A Fusion Student Schedule

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00-9:30</td>
<td>Algebra 1A</td>
<td>English 9A</td>
<td>English 9A</td>
<td>English 9A</td>
<td>PE/Field Trip to Rock Climbing Wall</td>
</tr>
<tr>
<td>9:30-10:00</td>
<td></td>
<td>(Reading Focus)</td>
<td>(Reading Focus)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:00</td>
<td>Lunch Break in Fusion Cafe</td>
<td>Lunch Break in Fusion Cafe</td>
<td>Internship: Nursing Home</td>
<td>Lunch Break &amp; Newspaper in Fusion Cafe</td>
<td>Health (Online at Home)</td>
</tr>
<tr>
<td>12:00-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30-1:00</td>
<td>English 9A</td>
<td>Algebra 1A</td>
<td>Algebra 1A</td>
<td>Algebra 1A</td>
<td></td>
</tr>
<tr>
<td>1:00-1:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:30-2:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00-2:30</td>
<td>Biology A</td>
<td>US History A</td>
<td>English 9A</td>
<td>US History A</td>
<td></td>
</tr>
<tr>
<td>2:30-3:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00-3:30</td>
<td></td>
<td></td>
<td>Biology A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This sample student is a 9th grader in need of intensive work on Algebra and English. On Wednesdays he starts and stays late to accommodate his internship at the nursing home. Fridays are all about PE and Health, including community-based/field trip and online course at home.
### Another Fusion Student Schedule

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00-9:30</td>
<td>Honors Geometry</td>
<td>Honors Geometry</td>
<td>Honors Geometry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:30-10:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-11:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30-12:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00-12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Appt with School Counselor</td>
</tr>
<tr>
<td>12:30-1:00</td>
<td>Lunch in Fusion Café for students and teachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00-1:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:30-2:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00-2:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:30-3:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00-3:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30-4:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00-4:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00-6:30</td>
<td>Honors Geometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:30-7:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00-7:30</td>
<td>English 11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30-8:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00-8:30</td>
<td>Break in Fusion Café</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30-9:00</td>
<td>Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00-9:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This sample student is a 11th grade semi-professional musician who has rehearsals every afternoon Monday through Thursday and spends Friday traveling to gigs. He also likes to sleep in on Mondays to recover from his demanding weekends. He is completing his US History course, his French III course and his Web Design II course from home and tour bus as his schedule allows.

### Online Curriculum/Assessments Deliver Deep Performance Data

![Online lesson and assessment interface](image)

- **Lesson 19: The Mouse and the Motorcycle: Chapters 5-6**
  - **Objectives**
    - Read and analyze the text. Then respond to questions.
    - Define new vocabulary and identify words in context.
    - Identify the sequence of events for the two chapters.
  - **Multiple Choice**
    - 1. Where does the story take place?
      - a. in California hotel
      - b. in New York restaurant
      - c. in a small town
    - 2. Where does Keith discover the mouse in the hotel?
      - a. in a hotel room
      - b. in the kitchen
      - c. under the bed
    - 3. How do Keith and Ralph play cards?
      - a. Keith saves Ralph's life
      - b. Ralph trains the mouse
      - c. Ralph loves to play cards
    - 4. What word best describes the mouse?
      - a. moose
      - b. mouse
      - c. RALPH
  - **Vocabulary Practice**
    - Use a dictionary to write the definition of each word. Then write each word in a complete sentence. You can use the sentences, but do not copy them. Share your sentences with your teacher.

- **Math Quiz**
  - 5x + 12 = 37
  - 5x + 12 - 12 = 37 - 12
  - 5x = 25
Dynamic, Student-Centered Grouping

A Fusion of Learning Modalities
Data-Empowered School Leadership

Fusion Bridge Middle School Model

- Mastery-based middle school curriculum
- No “grade levels” – students all work at their own pace toward mastery of middle school subjects, preparation for high school, and passage of 8th grade state test
- Can accommodate over-age 8th graders as well as those who have completed 5th grade and want to accelerate
Micro-Fusion: Supplementary Sites

Prince George’s County: ACCESS
- 11th & 12th Graders
- Critical courses that stand between them and graduation
- 20% face-to-face
- Partner Teacher + Online Teacher
- 600+ enrollments over the year

Detroit: A.L. Holmes SIG
- Grades 3-8
- Math & Language Arts
- Focusing on turnaround
- 100% face-to-face with online curriculum
- Partner Teacher + Online Support Teacher
- 250+ students

The Fusion Difference = Connexus®

Connexus™
The Need for More Education Technology Solutions

1. Integrated systems that support the seamless assimilation of online content from different sources into the student experience, while allowing student achievement data to flow easily across the school in real time.

2. High-quality dynamic content aligned to national standards such that students can stay powerfully engaged through continuous adaptive learning technology that offers a uniquely personalized learning experience.

3. Analytics that allow operators to provide more personalized learning experiences for networks of students.

4. Automation to simplify educators’ lives by eliminating low-value manual tasks like attendance and student assessment data entry.

5. Applications that enhance student motivation, using features like social networks, games, personalized playlists, badges, and micro rewards to engage and incentivize students in their own learning.

Integrated Systems

Time and Accountability Management
- Calendar
- Planner
- Scheduler
- Grade Book
- Progress Reports
- Transcripts
- Attendance
- Report Manager

Communication and Community Management
- WebMail
- Message Boards
- Communication Log
- Announcements
- School Directory
- Yearbook
- Gaming

Content and Lesson Management
- Courses
- Units
- Lessons
- Documents
- Media Manager
- Objective Manager
- Content Delivery Engine
- Assessment Engine
- Assessment Manager
- Lesson Tracking System
- Virtual Library
- LiveLesson
- Synchronous Interaction

School Management
- Registration
- Enrollment
- Course Placement
- Sections
- OrderAware
- AssetAware
- Resource Manager
- IssueAware

SIS Functionality
- Data Views
- Extended Data
- Calculated Fields
- Express Data Entry
- User Profile Management
- Address and Contact Management

System and Integration Management
- Users
- Locations
- Roles
- Permissions
- Page Layout Manager
- Partner Identity Manager
- Data Import
- API

Integration with top content vendors

Integration with 13 Student Information Systems

High-Quality Dynamic Content

Lesson 19: The Mouse and the Motorcycle: Chapters 5–6
Language Arts 2 B Unit 2: Freedom

As you read, think about the many things that Ralph encountered on his adventure through the hotel. Then record the sequence of events. Include the places Ralph traveled and what he saw. Use any one of the sequence chains found in the links.

Sequence Chain

Vocabulary Practice

Use a dictionary to write three vocabulary words in your notebook. Write each word in a complete sentence. Do not copy them. Share your completed notebook with classmates.

12/07/2010

Order of Operations

\[ A_1 = \frac{f(x,y)}{g(x,y)} \]

\[ \beta + 2 \times \sum_i \]
Analytics

Mastery-based reporting by Common Core

Automation

Basic Student Information

Homeroom Teacher:
Date of Birth: 01/02/1990
CA Start Year: 2003-2004
Ethnicity: White
Special Considerations (IEP/S504): Gender: F
What is the primary language spoken in the student's home?: Final Grade 04-05: Graduated
Final General 04-05:
Final Math 04-05:
Applications That Enhance Student Motivation

Curriculum
- Elementary School
- Middle School
- High School

Instructional Tools
- Clubs & Activities
  - Art Clubs
  - Book Club
  - Broadcast Club
  - Chess Clubs
  - Debate Club
  - Environmental Club
  - Irish Club
  - National History Day
  - Pen Pal Club
  - Poetry Clubs
  - Quiz Bowl Club
  - Robotics Club
  - Science Fair Club
  - Science in the Kitchen Club
  - Student Leadership Club
  - Student Literary Magazine
  - Student Newspaper

Clubs and Activities
- Volunteer & Service Clubs
- Literary & Art Clubs
- Robotics Club
- Chess Club

Making Friends While Learning...
At Connections Academy we understand that connecting with other students is one of the most enriching experiences in school. That's why we offer more clubs and activities than any other online school.

www.connectionslearning.com/blendedlearning
The Big Picture

Our Vision
Collaborate with local communities and schools to eliminate the achievement gap.

Our Mission
Students proficient and college-bound when they graduate from elementary school.

Our Impact
Rocketship clusters in 50 cities over the next 15 years.

Fast Facts
- Grades K - 5
- 500 students per school
  - ~ 90% Free / reduced meals
  - ~ 75% English language learners
- Extended day: 8 am – 4 pm
- Open enrollment
- Publicly funded
  - Equivalent to public schools (local / state / federal tax revenues)

5 Schools in San Jose
   788 Locust Street, San Jose, CA 95110
2. Rocketship Si Se Puede Academy (2009)
   2249 Dobern Avenue, San Jose, CA 95116
3. Rocketship Los Sueños Academy (2011)
   331 S. 34th Street, San Jose, CA 95116
4. Rocketship Mosaic Elementary (2011)
   950 Owsley Avenue, San Jose, CA 95116
5. Rocketship Discovery Prep (2011)
   370 Wooster Avenue, San Jose, CA 95116
Rocketship schools outperform those in nearby areas as well as California overall

<table>
<thead>
<tr>
<th>2011 API</th>
<th>Rocketship</th>
<th>Nearby districts*</th>
<th>CA</th>
<th>Rocketship</th>
<th>Nearby districts*</th>
<th>CA</th>
<th>Rocketship</th>
<th>Nearby districts*</th>
<th>CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>863</td>
<td>784</td>
<td>808</td>
<td>859</td>
<td>741</td>
<td>758</td>
<td>860</td>
<td>737</td>
<td>756</td>
</tr>
<tr>
<td>Low-Income</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English Learners</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2011 API for English Learner subgroup for Rocketship schools, nearby districts and California’s average.

*Nearby districts include aggregate average of Alum Rock Unified, San Jose Unified and Franklin McKinley.

Keys to Rocketship’s Success

- **Culture**
  - College prep
  - Home visits
  - Volunteer hours
  - Parent governance

- **People**
  - 75% Teach for America
  - Academic deans
  - 3-year Network Leadership Development Program

- **Individualized Learning**
  - Address needs of every student

Outstanding Student Achievement
The hybrid model accelerates basic skills acquisition to free up classroom time.

**Hybrid School Benefits**

- Better for Students!
- Better for Teachers!
- Scalable!
Better for Students

English Language Arts assessment, 2009-10

**Literacy September**

- Proficient and Advanced: 33%
- Basic and Below Proficiency: 67%

**Literacy June**

- Proficient and Advanced: 72%
- Basic and Below Proficiency: 28%

Note: Based on results from 871 students grades K-5

Better for Teachers

- Salary 20% higher than surrounding districts today
- Moving to $100,000 average salaries when Learning Lab fully implemented
- More time to teach higher order, critical/conceptual thinking to develop student’s personal growth, enduring drive, social-emotional skills
- Eliminate mundane and time-sensitive aspects by decreasing basic skills instruction due to less differentiation among students multiple grade levels apart
- Ongoing teacher development supported by Academic Deans, real-time coaching and four 8-week professional development periods per year
Fewer staff allows money to be reinvested in quality and scale

<table>
<thead>
<tr>
<th>Typical School</th>
<th>1st Grade Class 1</th>
<th>1st Grade Class 2</th>
<th>1st Grade Class 3</th>
<th>1st Grade Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Period</td>
<td>Teacher A</td>
<td>Teacher B</td>
<td>Teacher C</td>
<td>Teacher D</td>
</tr>
<tr>
<td>2nd Period</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd Period</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th Period</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rocketship</th>
<th>1st Grade Class 1</th>
<th>1st Grade Class 2</th>
<th>1st Grade Class 3</th>
<th>1st Grade Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Period</td>
<td>Literacy Teacher A</td>
<td>Literacy Teacher B</td>
<td>Math Teacher C</td>
<td>Learning Lab</td>
</tr>
<tr>
<td>2nd Period</td>
<td></td>
<td></td>
<td>Learning Lab</td>
<td>Math Teacher C</td>
</tr>
<tr>
<td>3rd Period</td>
<td>Math Teacher C</td>
<td>Learning Lab</td>
<td>Literacy Teacher A</td>
<td>Literacy Teacher B</td>
</tr>
<tr>
<td>4th Period</td>
<td>Learning Lab</td>
<td>Math Teacher C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Results in $500K savings per school, per year, 20% higher pay for teachers and Academic Dean at each school.

Thank you
October 2011
Visit us on the web at www.rsed.org
student SUCCESS stories
EOC Mean Score

FLVS Students vs. State by Grade Level

<table>
<thead>
<tr>
<th>Grade</th>
<th>FLVS</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>62.6</td>
<td>61</td>
</tr>
<tr>
<td>7</td>
<td>61.41</td>
<td>61</td>
</tr>
<tr>
<td>8</td>
<td>58.64</td>
<td>56</td>
</tr>
<tr>
<td>9</td>
<td>53.35</td>
<td>47</td>
</tr>
<tr>
<td>10</td>
<td>53.24</td>
<td>42</td>
</tr>
<tr>
<td>11</td>
<td>48.17</td>
<td>42</td>
</tr>
<tr>
<td>12</td>
<td>50.38</td>
<td>43</td>
</tr>
</tbody>
</table>
EOC MEAN BREAKDOWN

**FLVS**
- Below Average: 45%
- Average: 33%
- High Average: 22%

**State**
- Below Average: 35%
- Average: 33%
- High Average: 32%

AP QUALIFYING RESULTS

<table>
<thead>
<tr>
<th>Year</th>
<th>FLVS</th>
<th>STATE</th>
<th>NATIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>60%</td>
<td>40%</td>
<td>70%</td>
</tr>
<tr>
<td>2009</td>
<td>55%</td>
<td>35%</td>
<td>65%</td>
</tr>
<tr>
<td>2010</td>
<td>65%</td>
<td>45%</td>
<td>75%</td>
</tr>
</tbody>
</table>
perfecto!
examen!
primero!
THANK YOU!

Julie Young
President and CEO
Tonight...

4:30 -- 5:00 pm  Book Signing
Regency Foyer

6:00 -- 7:00 pm  Reception
Gold Ballroom

7:00 -- 9:00 pm  Dinner Keynote: Melinda Gates, Co-Chair,
                 Bill and Melinda Gates Foundation
Grand Ballroom

Excellence in Action
Turning reform into reality