Spare the Air Youth

Technical Advisory Committee Meeting
June 15, 2016

Active Transportation Resource Center (ATRC)
Highlights, with a special focus on the
California Pedestrian and Bicycle Safety Curriculum for Grades 4 and 5

Victoria Custodio, California Department of Public Health
June 15, 2016

ATRC Assistance

• Help you brainstorm best practices and locate appropriate resources for unique community needs
• Talk through Caltrans Active Transportation Program (ATP) guidance for non-infrastructure (NI) programs
• Maintain a “novice to expert” SRTS NI resource website
  www.CAsaferoutestoschool.org
• Host webinars and teleconferences for training and peer-to-peer sharing opportunities
• Conduct presentations and workshops as requested and approved by Caltrans

Sample ATRC Resources

• Creating Safe Routes to School Programs in Tribal Communities in California
• Safe Routes to School Programs in Rural California: A Guide for Communities and Partners
• Safe Routes to School and Student Leaders: Facilitator’s Guide to Engaging Middle School Youth
• Crosswalk: Where the Needs of School Principals and Safe Routes to School Programs Intersect
• California Pedestrian and Bicycle Safety Curriculum for Grades 4 and 5

CA Pedestrian and Bicycle Safety Curriculum for Grades 4 and 5 - Background

• A project of the Safe Routes to School Technical Assistance Resource Center (TARC) in collaboration with the California Healthy Kids and After School Resource Center
• Endorsed by the California Department of Education, Caltrans, and California Department of Public Health
• Funded by Caltrans
• Ready for download:
  http://www.californiahealthykids.org/product/9718
CA Pedestrian and Bicycle Safety Curriculum for Grades 4 and 5 - Background

- Developed and tested with input from an expert-advisory panel:
  - Credentialed teachers
  - Pedestrian and bicycle safety experts
  - Safe Routes to School practitioners
- Target for 4th and 5th grades - result of a comprehensive needs assessment and review of existing pedestrian and bicycle safety education curriculum materials
- Curriculum and lessons authored by Healthy Kids and After School Resource Center

CA Pedestrian and Bicycle Safety Curriculum for Grades 4 and 5 - Overview

- Nine 4th and 5th grade lessons
- Aligned with the Common Core State Standards (CCSS) and the CA Health Education Standards
- Aligned with the National Health Education Standards
- Integrated with English Language Arts (ELA), math, science, health and physical education
- The alignment to the CCSS and integration with core subject areas should make the curriculum easier for teachers to use

Curriculum Content Highlights: Lesson 1

**Time to Get Moving!**

**Topic:** Health Benefits of Walking/Bicycling

**Focus:** Physical Education

*Students make a plan for scheduling 60 minutes of physical activity into their lives each day.*

Curriculum Content Highlights: Lesson 2

**Exercise Your Superpower!**

**Topic:** Health Benefits of Walking/Bicycling

**Focus:** Science

*Students explore the health benefits of physical activity and create comic strips showing the “superpowers” of physical activity.*

Curriculum Content Highlights: Lesson 3

**Prescribe a Pollution Diet**

**Topic:** Environmental Impact of Walking/Bicycling

*Students learn how transportation choices impact air pollution. They help “Pollutey Judy” calculate and reduce the amount of air pollution that she produces each day.*

Curriculum Content Highlights: Lesson 4

**Rules of the Road**

**Topic:** Pedestrian and Bicycle Laws

*Students learn about pedestrian and bicycle safety laws and consider real-life scenarios where these laws apply.*
Curriculum Content Highlights: Lesson 5

Design Your Own Traffic Sign Game
Topic: Pedestrian Safety

Students identify the meaning and importance of traffic signs. They design and play games to teach about traffic signs.

Curriculum Content Highlights: Lesson 6

Silent Safety Signals
Topic: Pedestrian and Bicycle Safety
Focus: Physical Education

Students learn how nonverbal communication helps us stay safe while biking and walking. They play games to practice using bicycle hand signals and eye contact.

Curriculum Content Highlights: Lesson 7

Get Your Helmet On!
Topic: Bicycle Safety

Students analyze the influences that contribute to bicyclists wearing helmets and create persuasive advertisements to teach bicycle safety.

Curriculum Content Highlights: Lesson 8

How Can We Be Safe on Our Routes to School?
Topic: Safe Routes to School

Students examine factors that affect pedestrian and bicycle safety and assess the safety of their routes to school.

Curriculum Content Highlights: Lesson 9

Getting to School– What’s the Cost?
Topic: Environmental Impact of Walking/Bicycling

Students evaluate the environmental, practical, and monetary cost of different modes of transportation.

Example of content integration:

Mathematics Integration:
Students work with the calculation 1 mile = .97 pounds of air pollution* to determine how much air pollution Judy is creating each day. They use mathematics in a real-world context by multiplying and adding to calculate the amount of air pollution Judy produces.

English Language Arts Integration:
Students write opinion pieces convincing Pollutey Judy of the importance of making safe and eco-friendly transportation decisions.

Health Integration:
Students identify ways to increase, monitor, encourage, and promote physical activity.

*http://www.youcanbikethere.com/content/environmental-benefits-0
Common questions from ATP awardees and interested applicants

- **What if I am not planning to work with 4th and 5th graders in my SRTS Program?**
  - Consult ATRC for options for other grades.

- **Does this curriculum include lessons for ‘on the bicycle’ training?**
  - No. Other resources exist to assist with this type of programming.

- **If I am planning to work with 4th and 5th graders in my SRTS Program, do I have to use this curriculum in my ATP project?**
  - No. Many resources exist and can be considered. Please consult ATRC for other options if you require assistance.

- **Can I develop my own curriculum?**
  - For ATP, consider CT guidance...

ATP Non-Infrastructure Program Guidance - Materials Production (6/11/15)

- Use of existing materials already developed (by the National Center for SRTS, the ATRC, FHWA, other states, etc.) is encouraged.

- Expenses to design/develop alternative SRTS/Bike/Pedestrian materials must be approved by the Caltrans ATP SRTS and NI Program Manager (Exception: School Walking and/or Bicycle Route Maps).


Criteria used to choose ATRC curriculum links

- Aligned with the goals of ATP
- Current look and feel
- Can be broken down into single lessons and/or adapted for ease of use
- Variety at each grade level
- Each lesson has stated objectives
- Easy to access/user-friendly website

ATRC Website

www.CAsaferoutestoschool.org

Your ATRC Non-Infrastructure Regional Technical Assistance Coordinators:

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Thank you!

District 4 ATRC Regional Coordinator:

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ECO2school Challenge

- 2,349 participants
- CO₂ emissions reduction TBD

Year End

- Sonoma County
  - 15,000 students at 12 schools
  - 10,000 participants

Year End

- Silicon Valley Bicycle Coalition County
  - 917 participants at 3 schools

Lessons learned

- Leadership
- Volunteerism
- Action
- Awareness

Transportation Nation

- To raise awareness of why students should use public transit and to host FUN events to learn how to use it.

Goals

- Metropolitan Transportation Commission
- Climate Initiatives Spare the Air Youth
Objectives

- Build awareness of public transit system and passes.
- Educate students at three high schools.
- Empower Student Transit Ambassadors.
  - Education and promotion of transit.
- Provide an event for experiential learning.

Tools and Activities

Student Transit Ambassadors - Presentations

- Benefits of Transportation.
- How to Use Public Transportation.
- Promotion of Transit Race.

Drake High School: Transit Race

SEA Disc Students

- Presentations to Freshman
  - 300 students
- 15 Students – Transit Race

Transportation Scavenger Hunt

Redwood High School: Event to get students to try the bus

Environmental Action Cub:

“Ride the Bus” Event and Sustainability Festival:

- Promotion to 800 students
- 300 students – raffle
- Booth – Environmental Ed.

TAM High School

Focus Group: 6 students – Transit Use

- Low Income vrs. High Income
- Leave Campus for Lunch
- Not Convenient
Outcomes

- Outreach to an estimated 3,000 students at 4 schools.
- Demonstrated attitudinal shift.
- 100% students said recommend race to others.
- 98% would ride transit more as a result of the race.

"It’s fun because you feel independent; you don’t have to rely upon your parents to take you places – it’s your own thing – it’s pretty cool."

Super Fun – it taught me a lot

"It's fun because you feel independent; you don’t have to rely upon your parents to take you places – it’s your own thing – it’s pretty cool."

BayMobile – Bringing the Bay Your Way!
Jeff Schreiber - Institutional Giving Officer
Daniel Elkin - k-12 Outreach Coordinator

Running Stats
2015-2016 School Year
Summer 2016
Future Events

BayMobile Running Totals

Statistics for programs executed during the 2015/2016 school year:
- 97 trips, 255 programs, reaching approximately 5992 students

Statistics for programs executed during the 2014/2015 school year:
- 145 trips, 495 programs, reaching approximately 12,874 students

We have passed our initial goal of 450 programs for the school year.

Special Events:
- 21 events, reaching approximately 11,543 people.

2015-2016 Highlights

- Marin ELLC Pathways
- YMCA After School Program
- CRS Science Super Stars
- Google / Earth Day Events
- YES CONFERENCE!

Summer 2016

- BayMo For Hire
- Summer Camps / Libraries
- Community Outreach Events
- 5-Day YMCA Summer Camps
- Super Clean 

The Future of the BayMobile

- Drive On!
- 5-Day / 8-Week Long Curriculum
- Pathways & Partnerships
- Future Funding
- Continue Evolving
- Reservations Live on Aug. 22nd
Technical Advisory Committee Meeting

June 16, 2016

Metropolitan Transportation Commission
Climate Initiatives Spare the Air Youth

Goal To Date

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<th>Visits</th>
<th>280-300</th>
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<td>Bikes Donated</td>
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Scalability
- Model works beyond Alameda County
- SR2S partners are awesome
- 50% vs 70% mode shift
- Affluent areas utilize service, too
- Libraries rock

Logistics
- No pre-event signup
- Seasonality tough for staff
- Offer bonus visits during slow season
- Better organized tools & parts

New Additions
- Facebook page
- Bike giveaways
- Clown bikes
- Photo-op board
- Diagram magnets
- Sketch book

Future Growth
- Anyone can be a huge supporter
- Encourage counties to find matching funds
- Invite politicians, media
- Agencies like the outreach aspect
- 3 more years!

Information Sharing & Upcoming Events