Water Education Programs

MWDOC Joint Board Workshop
July 3rd, 2019

Metropolitan Water District

- Water Wholesaler
- 26 Members Agencies
- 5,200 square miles
- 19 million people
- $1 trillion regional economy
- 4 million acre-foot average water demand
Water Education Programs

Mission
Promote conservation behaviors and critical thinking of water issues facing California

Education Strategic Plan
- Expand working programs
- Educational Pipeline to jobs in the water industry
- Leverage collaborations
- Educational technology

Member Agency Educational Outreach

<table>
<thead>
<tr>
<th>Member Agency Participation</th>
<th>Pre-K</th>
<th>Elementary</th>
<th>Middle School</th>
<th>High School</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>21%</td>
<td>93%</td>
<td>82%</td>
<td>68%</td>
<td>18%</td>
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Member Agency Education Programs
Types of Member Agency Collaborations

- Special Events: 57%
- Hands-On Science Activities: 62%
- Teacher Inservices: 76%
- Workshop Facilitation
- Marketing & Outreach
- Curriculum Overview

Analysis of MWD Education Program

**STRENGTHS**
- Dedicated and experienced staff
- Relationships w/member agencies
- Popular interdisciplinary programs
- Large network of collaborators
- MWD’s breadth of expertise

**CHALLENGES**
- Continuous water education through ALL grade levels
- 5 million students and teachers
- Knowledge loss by retirement
- Rapidly evolving technology
Strategic Opportunities

TECHNOLOGY
• Interactive on-line curriculum
• Social Media
• Tablets and mobile platforms

EDUCATIONAL PIPELINE TO JOBS
• Community College Program
• Water Works Curriculum

COLLABORATIONS
Leveraging opportunities

Education Services

• 198 events
• 433 classrooms
• >100,000 Social media impressions
• >100,000 student exposure
Get Metropolitan’s Aqueduct VR app! iOS and Android.

GIS Story Map of Education Activities
www.mwdh2o.com/education

Virtual Reality Tour of Colorado River Aqueduct
COLORADO RIVER AQUEDUCT
VIRTUAL FIELD TRIP

Get Metropolitan’s Aqueduct VR app! iOS and Android.
Education Technologies

- Chromebooks
- Digital Microscopes
- Touchscreen Displays
- Augmented Reality Sandbox
- Aquaponics
- Virtual Reality
35 Years of Water Education

- Since 1983
- Reached over 3 million students
- Worked with over 30,000 teachers
- Reached 154 of 155 school districts
- Collaborations with formal and informal educators
- Recognized with state and national awards

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