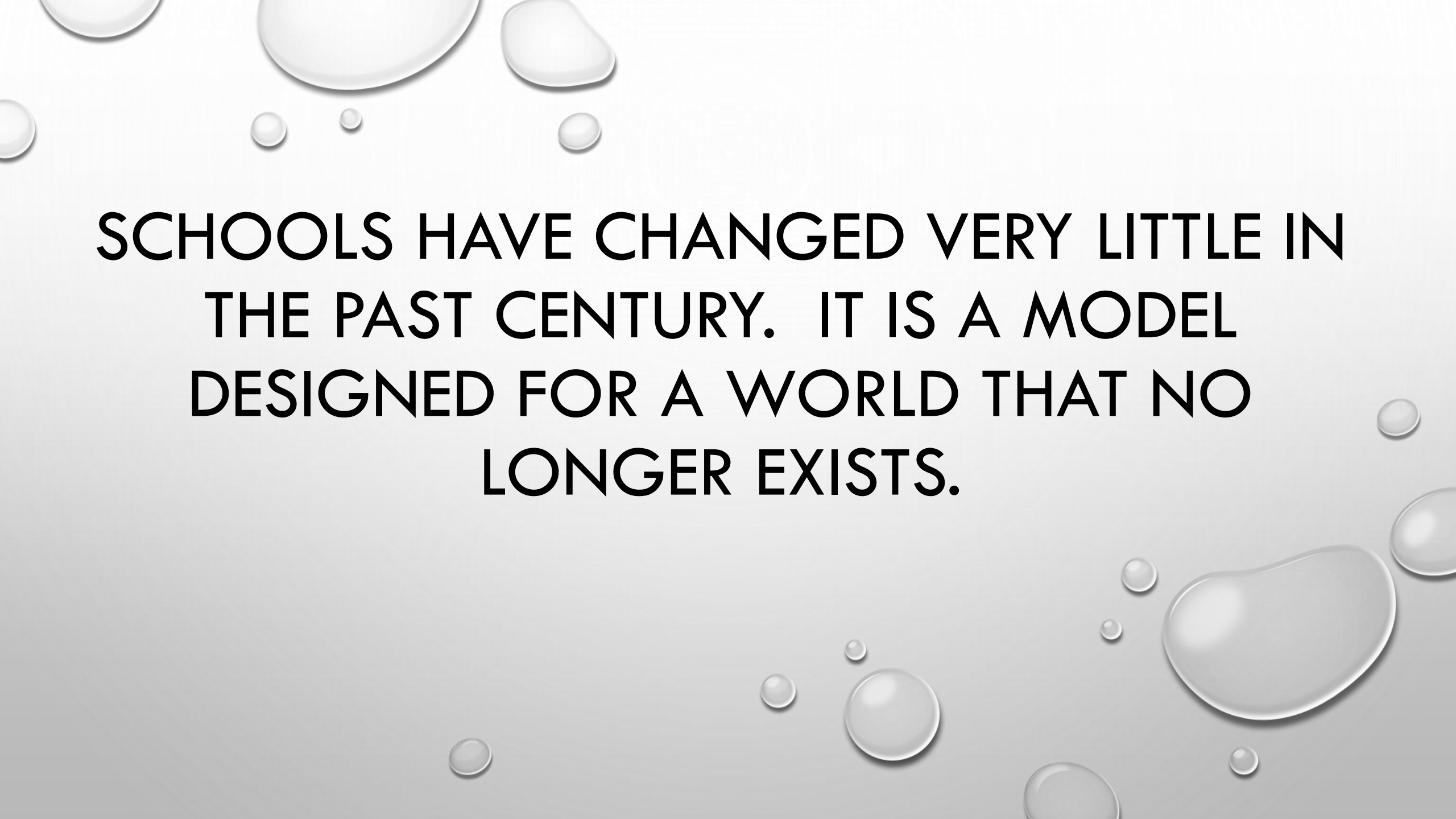


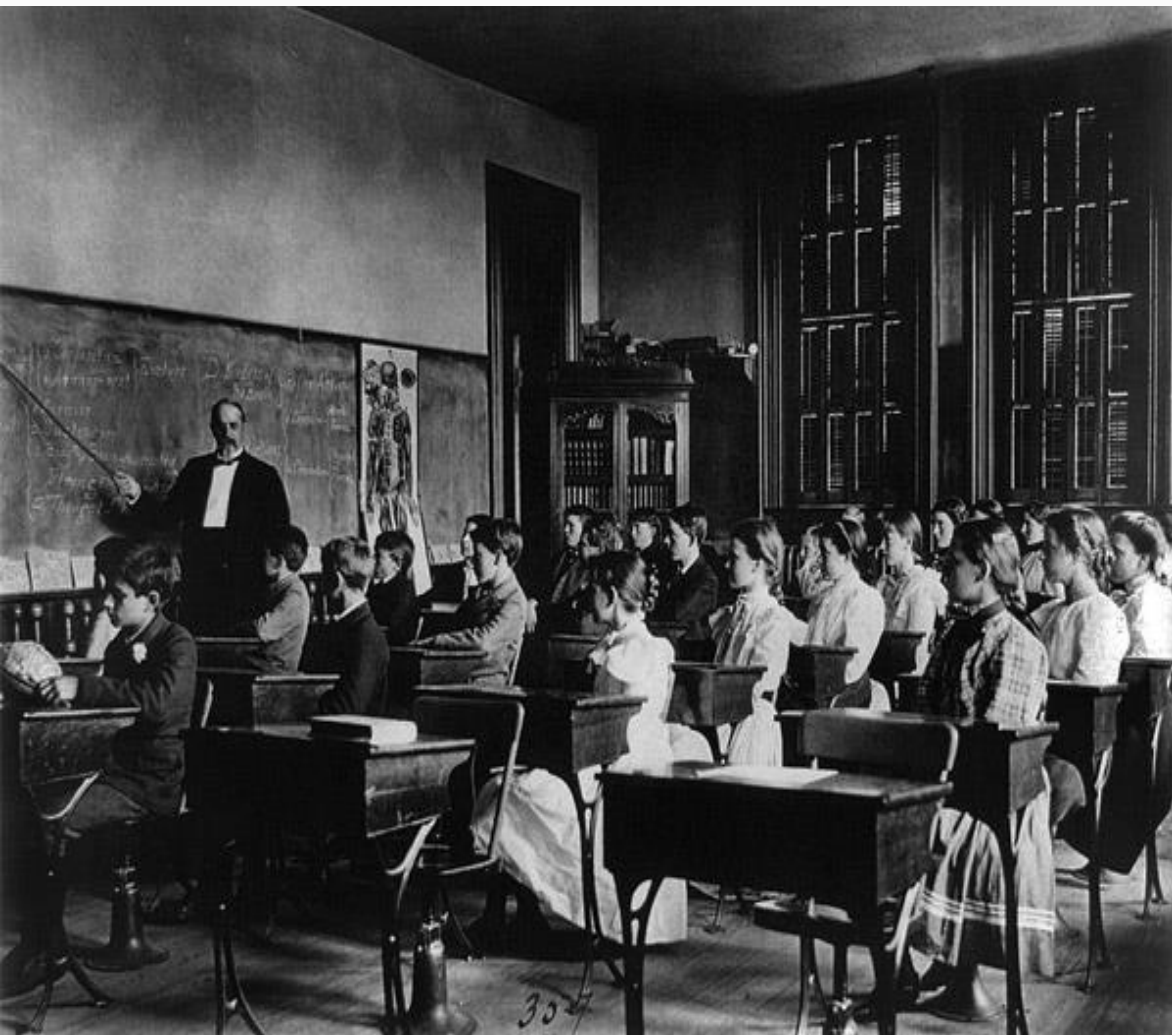
The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The main title is centered in the upper half of the slide.

# INNOVATION & PERSONALIZATION UPDATE

March 6, 2017  
KPBSD Board of Education Work Session

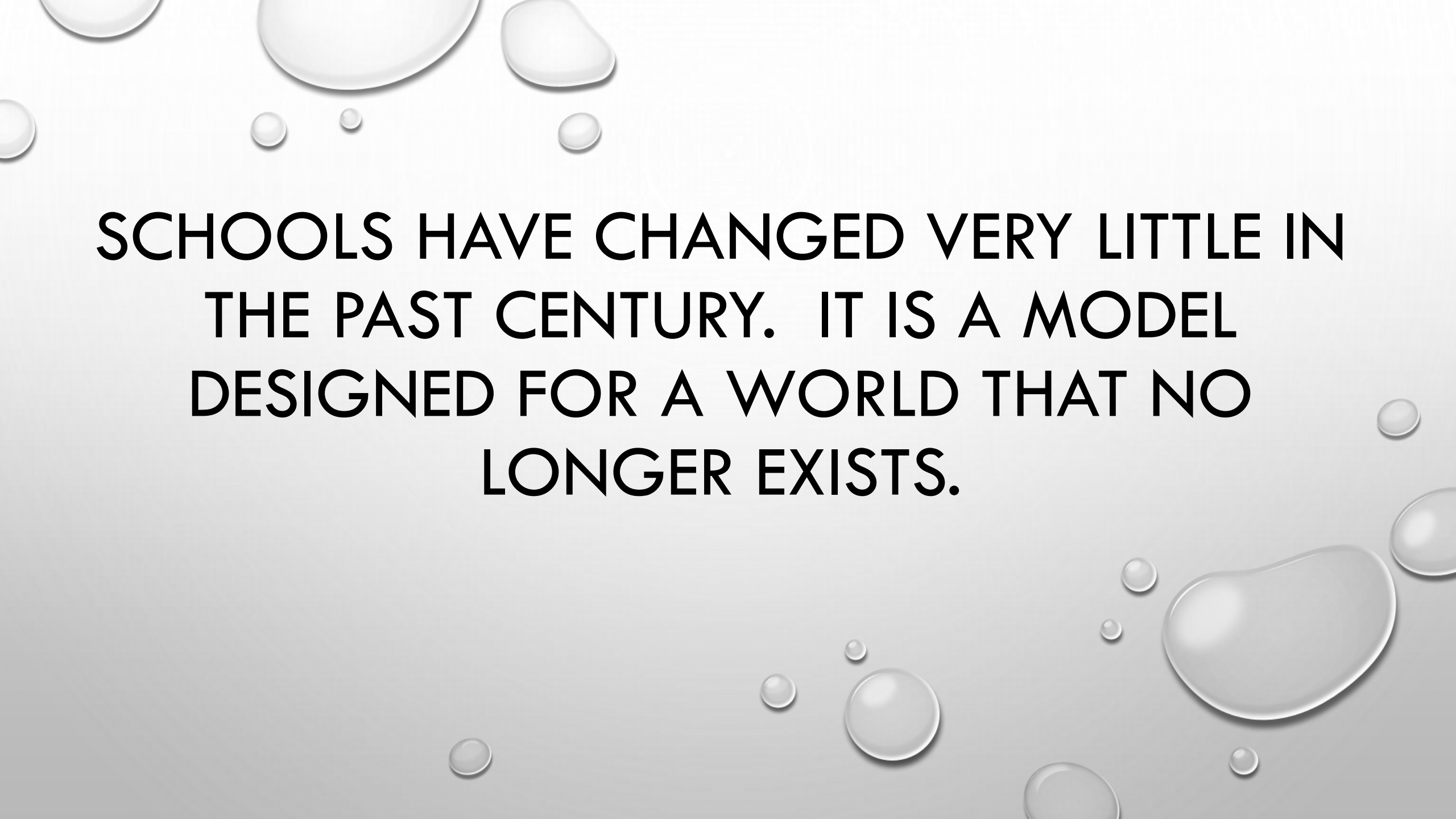
The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered in the middle of the slide.

**SCHOOLS HAVE CHANGED VERY LITTLE IN  
THE PAST CENTURY. IT IS A MODEL  
DESIGNED FOR A WORLD THAT NO  
LONGER EXISTS.**







The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and scattered. The droplets have highlights and shadows, giving them a three-dimensional appearance.

**SCHOOLS HAVE CHANGED VERY LITTLE IN  
THE PAST CENTURY. IT IS A MODEL  
DESIGNED FOR A WORLD THAT NO  
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# PARADIGM OF ONE:

- **1 TEACHER**
- **TEACHING 1 SUBJECT**
- **TO 1 CLASS**
- **OF 1 AGE**
- **USING 1 CURRICULUM**
- **AT 1 PACE**
- **IN 1 CLASSROOM**
- **FOR 1 HOUR**

--David Hood

# ARE WE READY TO RADICALLY REDEFINE TEACHING AND LEARNING?

- **School Structure**
  - **Fluid and Re-designed learning spaces, schedules and calendars**
- **Competency Based Learning**
- **Course/Materials**
  - **Open Educational Resources (OER's)**
  - **Instructional Design**
- **Professional Learning (Staff Professional Development)**



# OVER THE YEARS WE HAVE BEEN PLANNING AND PREPARING

- **Talked about Revolutionizing Education**
  - **Developed a robust technology infrastructure**
  - **Encouraged and developed pockets of innovation**
- 

# Distance Education

<u>Distance Education Courses</u>	2013-2014	2014-2015	2015-2016	End Fall Semester,** 2016
<b>Total Course Enrollments</b>	<b>2038</b>	<b>2398</b> 18% ↑	<b>2612</b> 9% ↑	<b>1078**</b>
<b>Success Rates</b>	<b>84%</b>	<b>83%</b>	<b>86%</b>	<b>85%</b>
<b>Individual Students Enrolled in Distance Courses</b>	<b>662</b>	<b>914</b> 38% ↑	<b>1063</b> 16% ↑	<b>838**</b>

# Digital Teaching Initiative (DTi) Grant

- LAST YEAR OF 3 YEAR GRANT
- APPROXIMATELY \$800,000 TOTAL OVER 3 YEARS
- PURPOSE:
  1. **DEEPEN AND STRENGTHEN THE ALREADY SUCCESSFUL PRACTICES WITHIN KPBSD ONLINE LEARNING**
  2. **BUILD CAPACITY FOR FUTURE GROWTH AND SUSTAINABILITY**

# **Digital Teaching Initiative (DTi) Grant**

**1. Deepen and strengthen the already successful practices within KPBSD Online Learning**

- **Course Development**
- **Increase Student Success Rates**

# **Digital Teaching Initiative (DTi) Grant**

## **2. Build capacity for future growth and sustainability**

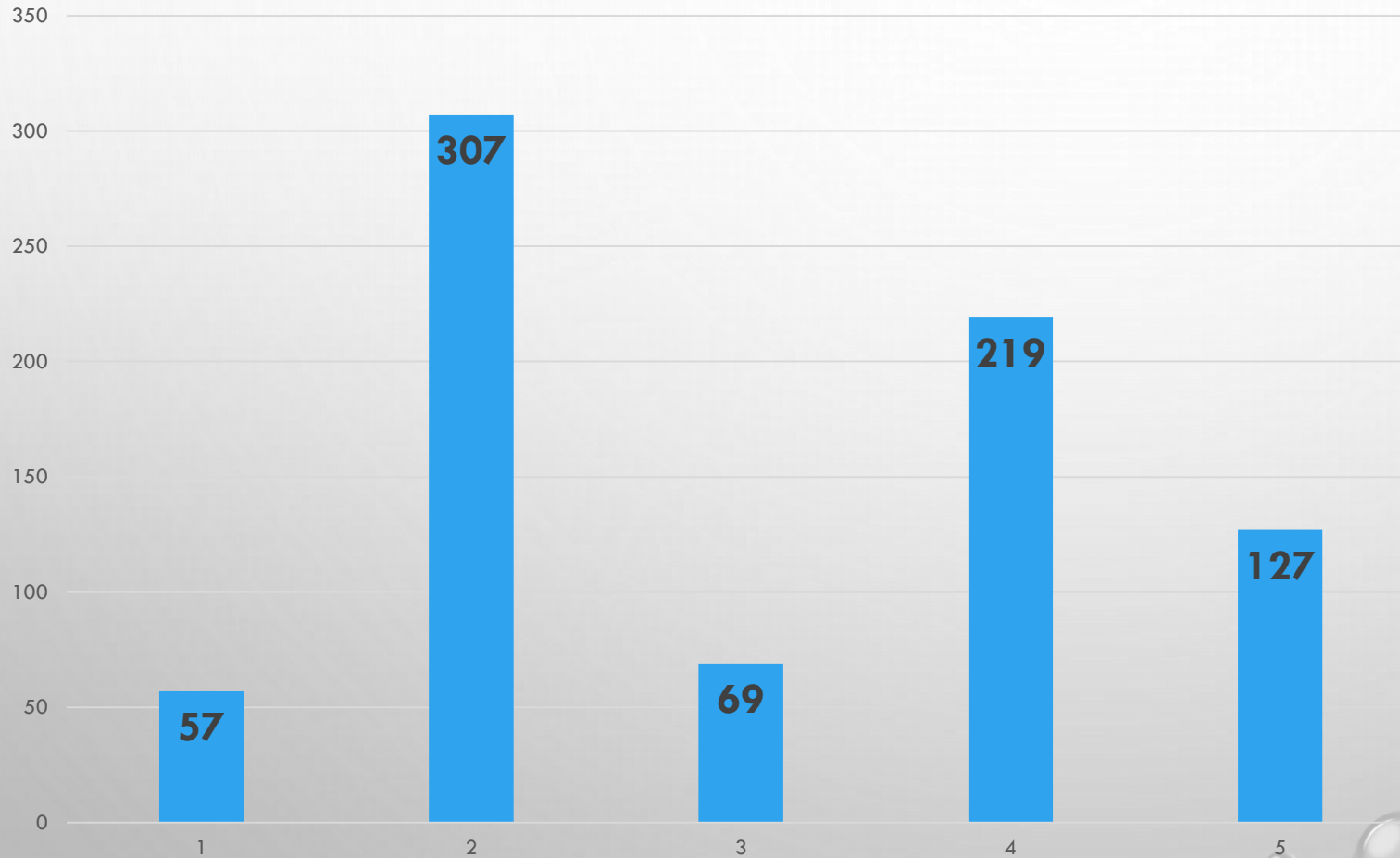
- **15 Cohort members/year = 45 teachers & administrators trained in Blended Learning Practices**
- **Partner District Relationships**
- **Video Conferencing Capabilities**
- **Canvas as Instructional Platform**
- **Catalog as Professional Learning (PD) Platform**

# Canvas Learning Management System (LMS)

<u>Canvas Usage</u>	Fall, 2015	Spring, 2015	Fall, 2016	End Fall Semester, 2016
<b>Teachers/Admin</b>	<b>29</b>	<b>196</b> 575% ↑	<b>283</b> 44% ↑	<b>384</b> 36% ↑
<b>Students</b>	<b>182</b>	<b>2500</b>	<b>3995</b>	<b>4150</b>
<b>Courses</b>	<b>68</b>	<b>638</b> 838% ↑	<b>1246</b> 95% ↑	<b>1670</b> 34% ↑

# Blended Video Conferencing Instruction

Total PolyCom Connections for the Top 5 Teacher Users



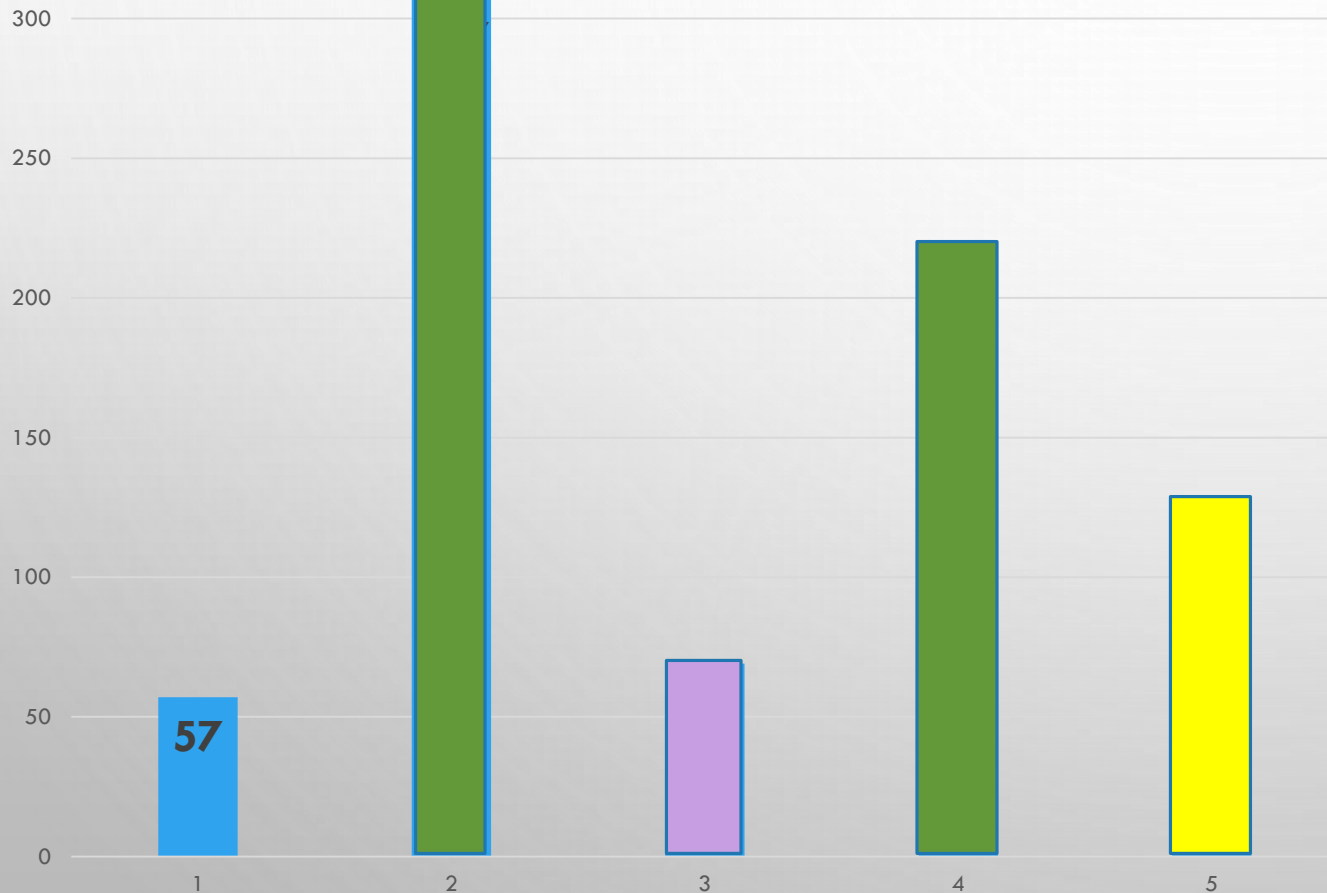
**779 = Top 5 Teachers**

**900 = All teachers**

**900 calls / 118 days =  
Approx. 8 calls/day**

# Blended Video Conferencing Instruction

Total PolyCom Connections for the Top 5 Teacher Users



**57 = Cooper Landing enrolled in math class @ Skyview**

**307/219 = Polycom, Global Nomads, History Classes**

**69 = Medical Terminology class broadcast from Homer HS**

**127 = Voz students connecting to foreign language classes**

# Blended Video Conferencing Instruction

<b>Skype For Business</b>					
<b>Month</b>	<b>Total Conferences</b>	<b>Total Participants</b>	<b>Total Individual Organizers</b>	<b>Total Conference Minutes</b>	<b>Average Conference Minutes</b>
Dec	33	75	17	881	27
Jan	85	393	37	7186	85
Feb	191	681	72	8243	43
March**	21	82	12	1755	84
<b><u>Totals</u></b>	<b><u>330</u></b>	<b><u>1231</u></b>		<b><u>18065</u></b>	<b><u>55</u></b>

# Blended Video Conferencing Instruction

## Skype For Business Examples

- Ken Felchle/Mike Gustkey connecting **middle school English & Social Studies classes** around the district and country
- Jason Daniels connecting K-Beach **fourth grade students** to classrooms around the country and globe
- Leigh Ray connecting Seward **second grade students** to classrooms around the country
- District Administrator Meetings
- Professional Learning & Collaboration for Staff

# RUS GRANT: VIDEO CONFERENCING “CAPACITY”

- PARTNERED WITH POLYCOM TO APPLY FOR VERY COMPETITIVE DISTANCE LEARNING AND TELEMEDICINE GRANT (A.K.A. RUS GRANT)

- SUMMER OF 2015 APPLICATION WORK AND SUBMISSION

- KPBSD AWARDED **\$354,647**



# RUS GRANT FOCUS

- UPGRADE **INTERACTIVE VIDEO EQUIPMENT** TO SUPPORT BLENDED LEARNING EFFORTS
  - PERSPECTIVE: AUG 18 INSERVICE RAN **139 SIMULTANEOUS VIDEO CONNECTIONS**, WHICH WAS ONLY ABOUT **30% CAPACITY** OF THE SYSTEM.
- PLACE **INTERACTIVE DISTANCE LEARNING EQUIPMENT** IN EACH PARTICIPATING SITE
- **PROVIDE** RURAL SCHOOLS WITH CONNECTIONS TO **COURSES AND CONTENT, PD, SPECIAL EDUCATION SERVICES, CULTURAL ACTIVITIES** FOR NATIVE ALASKAN STUDENTS, **EXTRACURRICULAR** LEARNING OPPORTUNITIES, **COMMUNITY** ACTIVITIES AND CONNECTIONS WITH **HIGHER EDUCATION** AND **WORKFORCE DEVELOPMENT** PROVIDERS.



.....FOR YEARS WE'VE TALKED ABOUT  
REVOLUTIONIZING EDUCATION

.....FOR YEARS WE'VE STEADILY DEVELOPED OUR  
TECHNOLOGY INFRASTRUCTURE

.....FOR YEARS WE'VE FOSTERED POCKETS OF  
INNOVATION & IMPLEMENTATION



# AFTER YEARS OF PREPARATION, WHAT ARE THE NEXT STEPS:

- **KPBSD Strategic Planning**
- **Fluid & Re-designed Learning Spaces/Environments**
- **Curriculum Review Cycle, Materials budget, Open Educational Resources (OER's), Instructional Design**
- **Education Elements**
  - **Backwards Mapping & Strategic Guidance**
  - **Full Implementation at district/school/classroom levels**
  - **Professional Learning (Staff PD)**
- **Instructional Vision for the future of KPBSD**

