

# LOOKBOOK K-12 Education



## EARTH DAY



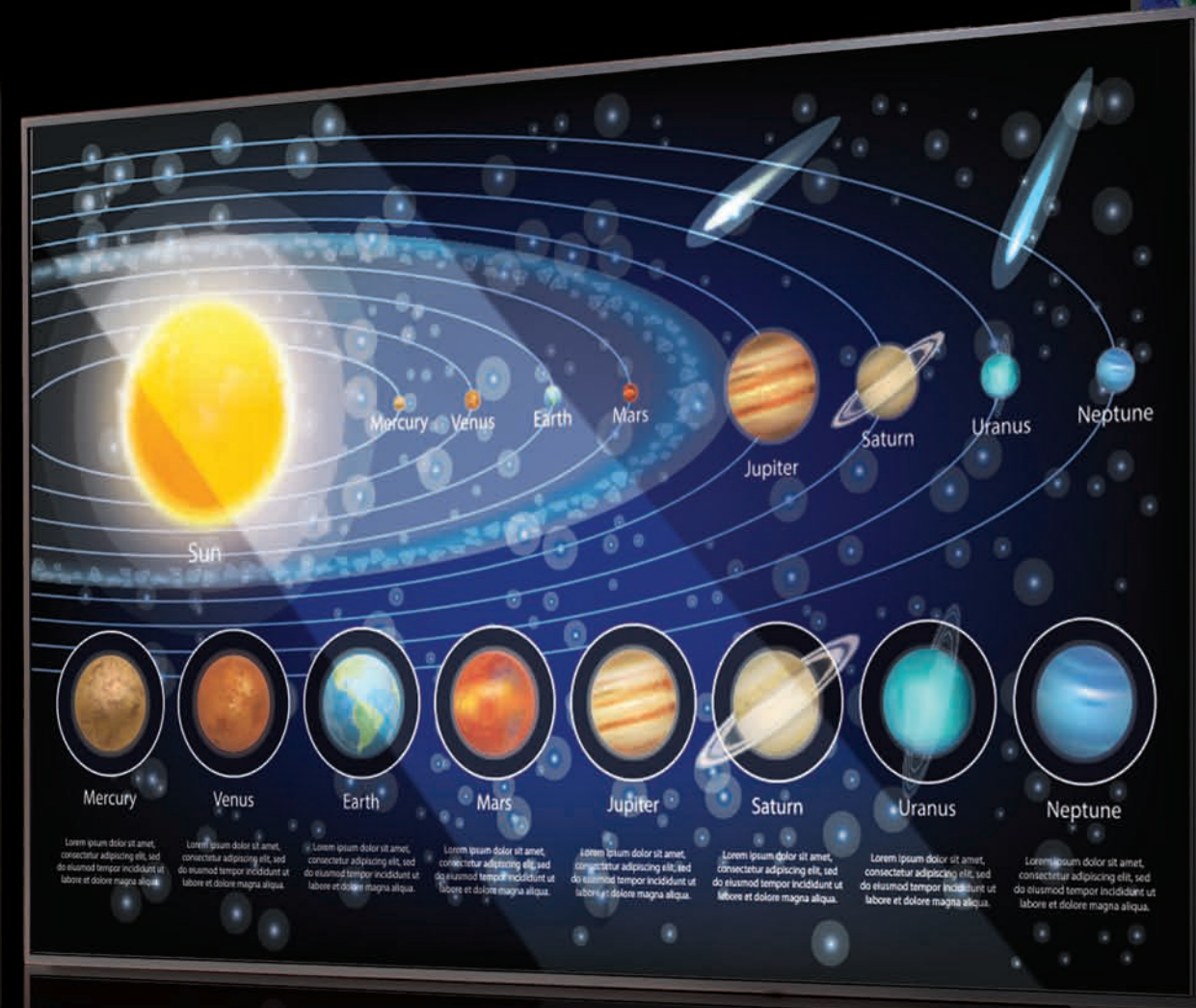
### AGENDA

- ervation Science Project Winner
- Recycling Program All Week
- The Day of Earth Art Festival
- School Assembly

### Tuesday



Mac-n-cheese



## LOOKBOOK *K-12 Education*

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*LG provides a wide-array of display options that can create a more engaged and productive learning environment.*

Children have embraced technology. In fact, recent research revealed that the average age a child gets their first smartphone is 10.3 years old, and nearly 50% of children have social media accounts by age 12<sup>1</sup>. Recognizing this, educators are turning to more dynamic solutions to create a more engaged learning environment. Digital signage can play a key role in this endeavor.

LG offers a wide range of commercial display options to address school-wide communication needs. From interactive digital displays and UltraFine™ monitors in classrooms and Full-HD Displays and Smart Platform Digital Signs with Touch-Screen, to large indoor direct-view LED video walls in gymnasiums, a network of digital signs can work hard to enhance learning by inspiring interaction, while improving communications and wayfinding, and act as centralized emergency broadcasting.



Layout 1  
**LOOKBOOK**  
*K-12 Education*

- a Outdoor Display - 75XE3C**
  - 75" Class 74.5" (diagonal)
  - Resolution: 3840 x 2160 (UHD), M+
  - Brightness: 3000 nits (Typ) 2400 nits through protective glass
  - Contrast Ratio: 1200:1
  - Surface Treatment Hard coating (2H), Anti-glare treatment of the front polarizer (Haze 3% (Typ.))
  - Operation Temperature: -30 °C to 50 °C
  - Operation Humidity: 5 % to 100 %
  - Use in Direct Sunlight
  - Dust / Water Proofing IP 56





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- a Ultra-Stretch Signage- 86BH5C**
  - 86" Class (85.6" diagonal)
  - IPS Panel Technology
  - 3840 x 600 Ultra HD Resolution
  - 58:9 Extended Wide Format
  - 4 Divided PBP in Landscape or Portrait
  - Brightness 500nits, Min : 400 nits
  - Built-in SoC and Synced Playback
  - Portrait and landscape orientation
  - Pedestal types: Single, double, triple and 4-sided





# LOOKBOOK K-12 Education

- a** **UHD Commercial TV - 60UL3E-B**
- 60" Class
  - Resolution: 3840 x 2160 (UHD)
  - Brightness: 400 nits
  - Wake on LAN (WOL)
  - Simple Network Management Protocol (SNMP)
  - Crestron Connected® Certified
  - Cisco Spark Room Kits Certified
  - webOS
  - USB Data Cloning
  - USB Cloning

### Alternative Products:

**UHD Commercial TV - UH5E-B Series**

- 98" Class
- 86" Class
- 75" Class

**UHD Commercial TV - UL3E-T Series**

- 70" Class
- 60" Class

**UHD Commercial TV - UU340C Series**

- 86" Class
- 75" Class
- 65" Class
- 55" Class
- 49" Class
- 43" Class

**FHD Commercial TV - SM5KE Series**

- 55" Class
- 49" Class
- 43" Class
- 32" Class

**FHD Commercial TV - SE3KD Series**

- 65" Class
- 55" Class
- 49" Class
- 43" Class
- 32" Class





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**a** UltraFine™ Cloud Thin Client Desktop Monitor - 24CK550W-3A

- 24" Class (23.8" Diagonal)
- Resolution: 1920 x 1080
- Brightness: 250 nits (Typ) 200 nits (Min)
- Contrast Ratio: 1000:1
- Windows 10 IoT Enterprise
- Memory: 4GB DDR4 (up to 8GB)
- Storage (SSD): 32GB
- Built-In Speaker

### *Alternative Products:*

**Curved Thin Client AIO- 38CK950N-1C**

- 38" Class

**Zero Client AIO Desktop Monitor - 24CAV37K-B**

- 24" Class

**Zero Client AIO Desktop Monitor - 23CAV42K-BL**

- 23" Class

**Zero Client AIO Desktop Monitor - 20CAV37K-B**

- 20" Class





# LOOKBOOK K-12 Education

**a** Multiple Screen Split-Ultra HD Signage - 98UH5E-B

- 98" Class
- Resolution: 3840 x 2160 (UHD)
- Brightness: 500 nits
- IPS Panel Technology
- Contrast Ratio 1300:1
- Response Time 8ms (G to G BW) (Typ)
- Crestron Connected® Certified
- Cisco Spark Room Kits Certified
- Portrait and landscape orientation
- 24 hours Operation





# LOOKBOOK *K-12 Education*

- a** **Narrow Bezel Video Wall -55VM5B-B**
  - 55" Class (54.64" diagonal)
  - Resolution: 1920 x 1080 (FHD)
  - Brightness: 500 nits
  - Tile Mode up to 15 x 15 (Natural mode)
  - IPS Panel Technology
  - Bezel Width 0.9mm (Even)
  - Running Time: 24 Hours
  - Built-in SoC\* and Synced Playback
  - webOS 2.0
  - Portrait and landscape orientation

\* System on Chip





Layout 7  
**LOOKBOOK**  
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- a** Large Format Indoor DVLED – LAS025DB2-F
  - Pixel Configuration 3 in 1 SMD
  - Pixel Pitch (mm) 2.52
  - Module Resolution (WxH, Pixels) 120 x 68
  - Physical Pixel Density 158,637 pixels/m<sup>2</sup>
  - Front and Rear Service Access
  - Max. Brightness (After Calibration) 600 nits
  - Visual Viewing Angle (Horizontal) 160°
  - Visual Viewing Angle (Vertical) 140°
  - Brightness Uniformity ≥97%
  - Contrast Ratio 7000:1





Layout 8  
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- a** Smart webOS Monitor - 55SM5KE-B
- 55" Class (54.9" Diagonal)
  - 1920 x 1080 (FHD)
  - Brightness 450 nits
  - Embedded Content Management
  - PBP (Picture-By-Picture)
  - PIP (Picture-In-Picture)
  - Conformal Coating
  - Portrait and landscape orientation





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- a Ultra Stretch Display - 88BH7D**
  - 88" Class (87.8" diagonal)
  - Resolution: 3840 x 1080 (UHD)
  - Brightness: 700 nits
  - IPS Panel Technology
  - 32:9 aspect ratio
  - Stand-alone
  - Instalation types: Stand alone, Tri-Sided, Quad-Sided, Video wall
  - 360-degree video column
  - Touch-Screen
  - 4x Picture-by-Picture

NOTE: Some pedestals supplied by third-party system integrator.





# LOOKBOOK K-12 Education

**a** Smart Platform Digital Signage - 49SM5KD

- 49" Class (48.5" diagonal)
- Resolution: 1920 x 1080 (FHD)
- Brightness: 450 nits
- Bezel 11.9 mm (T/R/L), 18 mm (B)
- PBP (Picture-By-Picture)
- PIP (Picture-In-Picture)
- Quad Core SoC
- webOS
- IP Streaming Protocol
- Dust & Humidity Protection
- 24/7 operation
- Portrait and landscape orientation

**b** Touch Overlay Kit - KT-T490

- 49" Class
- Multi-Touch with Slim Bezel
- 10 Point Multi-Touch
- Ghost-Free Touch
- Overlay Touch
- Compatible Products: 49SE3B, 49SM5B, 49SE3KB, 49SM5KB, 49SM3B, 49SL5
- Portrait and landscape orientation





# LOOKBOOK K-12 Education

**a** Interactive Digital Board - 86TR3D

- 86" Class
- Resolution: 3840 x 2160 (UHD)
- Brightness: 410 nits
- Ultra HD Interactive Digital Board
- Wide Viewing Angle with IPS Panel
- PBP (Picture by Picture)
- PIP (Picture in Picture)
- Small Object Touch
- Intuitive Touch
- 20 Point Multi-Touch

*Alternative Products:*

**Interactive Digital Board - 86TR3E-B**

- 86" Class

**Interactive Digital Board- TC3D-B Series**

- 75" Class
- 65" Class
- 55" Class

**Interactive Digital Board- TA3E-B Series**

- 55" Class
- 49" Class
- 43" Class
- 32" Class





DISPLAY_88BH7D_BofA
AD_Security_ADI

**a** Ultra Narrow Bezel Video Wall - 55SVH7E

- 55" Class
- Resolution: 1920 x 1080 (FHD)
- Brightness: 700 nits
- Tile Mode up to 15 x 15 (Natural mode)
- IPS Panel Technology
- 0.44mm Even Bezel
- Running Time: 24 Hours
- Portrait and landscape orientation

**b** QHD Gaming Monitor with G-SYNC™ - 32GK650G-B

- 32" Class (31.5" Diagonal)
- Resolution: 2560 x 1440 QHD
- Brightness: 350 nits (typ)/280 nits (Min)
- NVIDIA G-Sync™
- Reader Mode
- Dynamic Action Sync
- Black Stabilizer
- On Screen Control
- Flicker Safe
- 24/7 operation





# LOOKBOOK

## *K-12 Education*

- a** Direct View LED Outdoor Display - LBP Series
  - Brightness (After Calibration): 6000 nits minimum
  - Viewing Angle: 160°
  - Contrast Ratio: 3000:1
  - Lifetime (half brightness): 100,000 hrs
  - Pixel Pitch: 6.00 – 20.00
  - Weight per Module (kg): 0.54 – 2.45





## LOOKBOOK *K-12 Education*

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### *Specific Applications for Signage*

LG's displays fit into a broad array of applications – with full software and technological support available.

#### *Create A More Dynamic Learning Environment*

A network of Interactive Digital Boards, Multiple Screen Split-Ultra HD Signage, UltraFine™ Desktop Monitors and UHD Commercial TVs can transform classrooms into dynamic, interactive, and engaging learning centers that invite students to explore, create and expand their horizons.

#### *Wayfinding*

Digital displays located throughout school grounds can provide bright, clear wayfinding, making it easy for new students and guests to find their way around. From simple maps to interactive touch screens with compatible apps for off-loading directions, wayfinding solutions are as simple or as complex as needed.

#### *Creating a More Secure Environment*

To monitor school grounds, Fine-Pitch Indoor DVLED, IPS desktops and Ultra-Wide screens maximize viewing multiple camera feeds to improve security. webOS applications integrate to feed social media, weather and even travel alerts into the system so faculty can stay informed, respond quickly and improve the efficiency of alert broadcast systems.

#### *Improve Faculty and Staff Communications*

Campus administrators looking to improve efficiencies can employ a network on digital signs for critical faculty and staff communications, including data sharing, computing and scheduling. High Performance Virtual Computers make it easier to create and distribute class resources and software updates while reducing the load on IT and technical staff. LG's webOS supports real-time data integration so that you can create real-time class and room schedules, sports scores and even IPTV or web pages. Connect with documents and data sources like Excel, SAP and MS Exchange to share developments and information.

#### *Simplify Network Installation and Operations*

LG commercial displays with embedded SoC feature the webOS Smart Signage Platform, giving you powerful multimedia capabilities and the critical management tools to address enterprise-class requirements. Integrated remote management capability allows you to monitor and control your webOS Smart Signage Platform remotely.

### *Conclusion*

LG Commercial digital displays are designed to provide outstanding performance while reducing TCO, and can help you create a dynamic, engaged learning environment, more efficient communications and enhanced safety. Customized solutions and features like webOS and System-On-Chip can simplify installation and reduce maintenance cost, while advanced IPS panels yield outstanding brightness and color reproduction with lower power consumption. Founded on four key pillars; Superior Display Quality, Practical Design, Reliability and Low Total Cost of Operation, LG has the right products for every school need.





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