Making the Case for Video in Education
Meet:
Scott Carroll

Scott Carroll
Dir. of External Communications, Vizrt Group
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Meet:
Charles Dewalt

Charles Dewalt
Executive Director-Program Founder-WTVN-Warrior TV (Retired)
Production Director (Current)
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WTVN-Warrior TV
White County High School
Program Overview

- 350 live broadcast events a year
- Fully functioning mobile broadcast unit
- Full use of digital audio using *Dante* technology
- Full use of NewTek’s NDI technology
NDI Technology
35 Adobe editing station
(Students receive national certification on Adobe)
Studio Features

- 3,000 square feet of studio space
- 35 iMac editing stations
- Fully functioning radio station
Radio Station

Simian Radio Software
Studio Contains

- 3,000 square feet of studio space
- 35 iMac editing stations
- Fully functioning radio station
- 2 voiceover rooms
Voiceover Rooms
Studio Features

• 3,000 square feet of studio space
• 35 iMac editing stations
• Fully functioning radio station
• 2 voiceover rooms
• Studio, 3 separate sets (news desk, green screen and day set (18’ ceilings, 12’ lighting grid, Led 3 and 4 point lighting in the studio)
Studio
Studio Features

- 3,000 square feet of studio space
- 35 iMac editing stations
- Fully functioning radio station
- 2 voiceover rooms
- Studio, 3 separate sets (news desk, green screen and day set (18’ ceilings, 12’ lighting grid, full led lighting in the studio lighting))
- Control room with 8 separate positions. (teleprompter, sound, CG graphics....)
Control Room Equipment

- TriCaster TC1 with control surface
- NewTek 3Play 3P1 (Instant replay)
- TriCaster Mini
- NewTek Studio I/O Module
- TriCaster Advanced with control surface (Mobile broadcasting unit)
- All digital audio in the studio, Behringer x32 digital boards, Dante digital audio.
- 6 NewTek NDI Connect Sparks (will increase to nine)
- Blue Fx graphics
- PTZ controller to control 6 NewTek NDI PTZ cameras, (increasing to nine)
Meet:

Steve Vinton

Video Production teacher
Penn-Trafford High School
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Twitter: @penntraffordtv
2018 NATAS MID- ATLANTIC
STUDENT PRODUCTION
AWARDS
NEWS: GENERAL
ASSIGNMENT - LIGHT NEWS
Make-A-Wish
PENN TRAFORD
HIGH SCHOOL
THE NATIONAL ACADEMY
OF TELEVISION
ARTS AND SCIENCES

2018 NATAS MID- ATLANTIC
STUDENT PRODUCTION
AWARDS
WS NEWSCAST: DAILY
Wake Up Warriors - Live!
Daily Newscast
PENN TRAFORD
HIGH SCHOOL
THE NATIONAL ACADEMY
OF TELEVISION
ARTS AND SCIENCES

2018 NATAS MID- ATLANTIC
STUDENT PRODUCTION
AWARDS
TALENT
Maddy Haberberger
Talent Reel
PENN TRAFORD
HIGH SCHOOL
THE NATIONAL ACADEMY
OF TELEVISION
ARTS AND SCIENCES
Key Equipment & Software Used in Penn-Trafford High School’s Television Production Facility

- NewTek VMC1 Premium, Spark, VMC I/O
- (4) JVC 650U cameras
- Mackie 1202-vlz3 Audio Board
- Studio lighting package includes ETC Color Source 20 Light board, ETC Desire D40 & D60 Vivid LED Fixtures
- Unity Intercom with iphones.
- NewBlue FX Titler Pro 4 Graphics Software
- Marshall Electronics M-Lynx 702s rack monitors
- Exterity AVEDIA r9310 and 9300 player/receivers
Meet:
Doug Green

Teacher/Advisor
Carlsbad High School/Valley Middle School Broadcast Journalism Programs
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PROGRAM HIGHLIGHTS

REAL-TIME MOTION TRACKING
OUR NEWEST PROJECT- WORKING WITH AN OSCAR-WINNING INVENTOR AND AN EMMY-WINNING VISUAL EFFECTS PIONEER TO ROLL OUT A GAME-CHANGING TECHNOLOGY CALLED LIGHTCRAFT

LIGHTCRAFT PROJECT
3-YEAR BETA TEST PROGRAM
PROGRAM HIGHLIGHTS

THE MAGIC WINDOW

MAGIC WINDOW SEGMENTS

CNN’S MAGIC WALL TECHNOLOGY
DEJERO + SATELLITE TECHNOLOGY

COVERING BREAKING NEWS LIVE
LARGE INTERACTIVE VIDEO WALL
MULTIPLEXED VIDEO WALL BACKDROP
2020 PACEMAKER AWARD FOR LIVE ELECTION COVERAGE

Tobias Williams/Rae'hijah Cooper
CHSTV Golden Hall Election Show

2020 PACEMAKER AWARD
JOURNALISM WITH A CAPITAL “J”
CHSTV Equipment List at Carlsbad High School

- An on-set video wall display
- An interactive “Magic Window” touch screen
- Lightcraft Jetset System (live motion tracking in a green screen environment)
- Four NewTek TriCasters (various models)
- Computer Lab/classroom equipped with Adobe Production Suite and Final Cut X at each station
- NewTek Live Text CG software
- Four soundproof bays for editing, audio and voice-over recording
- A large, 900 square-foot studio with anchor desk and furniture
- Lightcraft Motion Tracking Green Screen Set (27' wide by 12' tall)
- A lighting grid suspended from the studio ceiling
- Multiple cameras, including two Panasonic P2HD studio cameras on dollies
- Two Sony 4K camcorders
- A Canon C300 DSLR camera on a crane
- BlackMagic URSA Mini 4K
- GoPro Hero 6, 7, 8
- Ronin-S Fly Cam wireless camera system
- Microphones, including wireless mics
- ViaSat satellite uplink equipment
- Dejero Engo bonded cellular transmission system
Questions?

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Thank you!

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