

"The ITV – Broadcaster"

School District of Manatee County Instructional Television – 1st Quarter Program Guide August 12th, 2019 – October 11th, 2019

Editor – Susan Gilbank

ITV Broadcasts on five channels to 55+ sites in the Manatee County School District.
If you have any questions regarding program scheduling, please call 751-6550, x2147

The ITV crew includes Matt Messenger, Nick Bachelder, Steven Opauski, Michael Trimboli and Susan Gilbank.

ITV Channel 5 will be showing **MSTV**. Go to <http://mstv.us> for the daily schedule. **MSTV** also shows on Spectrum Channel 646 and Frontier Channel 39.

ITV Channel 7 will carry the Florida Channel via satellite for educational updates & decisions by our State's legislation.

ITV Channel 9 will carry: **Prime Radicals, Algebra Aspirations, Between the Lions, Wild Kratts, What's Up in Space?, All Aboard, Creature Features, Sesame English, Look & Learn, Super Why, 20th Century Presidents, Continents of the World, Wildfiles, Rivers of North America and Learn Our History.**

ITV Channel 11 will show programs having little longer running times geared toward the middle & high school audience: **NOVA, Mechanical Universe, Geometry Applications, Rocks of Ages and Language of Business.**

ITV Channel 13 will continue to be dedicated to broadcasting **NASA** via satellite or for special program requests by teachers.

WEEKS AND DATES

- Week 1: August 12 - 16
- Week 2: August 19 - 23
- Week 3: August 26 - 30
- Week 4: September 3 - 6
- Week 5: September 9 - 13
- Week 6: September 16 - 20
- Week 7: September 23 - 27
- Week 8: September 30 - October 4
- Week 9: October 7 - 11



Studio Corner

Televising the Apollo 11 Spacewalk

Spanning the distance of 239,000 miles, live video enabled more than half a billion people to witness Neil Armstrong set foot on the moon on July 20, 1969. Not wanting to miss out on televising the beginning of a new era of space exploration, NASA contracted with Westinghouse to build that Apollo lunar TV camera.

Beginning in the fall of 1964, under the leadership of Project Manager Stan Lebar, the Westinghouse team began design on the \$1,000,000 camera that would eventually be successful in producing that now iconic video of our first spacewalk. That camera still sits on the moon.

To learn more about the trials faced in the development of the lunar camera with all its necessary specs on this 50th anniversary of the Apollo 11 moon landing, go to www.tvtechnology.com and search under "News" for "TV's Longest Ever Remote Remembered" by James E. O'Neal.

Susan Gilbank
Instructional Television Program
Specialist

** Channel 9 Programming **

20th Century Presidents Gr. 4-12

Mon. 2:00pm Tues. 11:00am Wed. 9:30am
Thurs. 2:30pm Fri. 10:00am

Wk. 1	Theodore Roosevelt (1901-1909)	15 min.
Wk. 2	William Howard Taft (1909-1913)	11 min.
Wk. 3	Woodrow Wilson (1913-1921)	15 min.
Wk. 4	Warren G. Harding (1921-1923)	10 min.
Wk. 5	Calvin Coolidge (1923-1929)	12 min.
Wk. 6	Herbert Hoover (1929-1933)	12 min.
Wk. 7	Franklin D. Roosevelt (1933-1945)	20 min.
Wk. 8	Harry S. Truman (1945-1953)	20 min.
Wk. 9	Dwight D. Eisenhower (1953-1961)	20 min.

Continents of the World Gr. 4-12

Mon. 9:00am Tues. 12:30pm Wed. 1:30pm
Thurs. 10:30am Fri. 12:00pm

Wk. 1	North America	21 min.
Wk. 2	South America	17 min.
Wk. 3	Antarctica	16 min.
Wk. 4	Australia	20 min.
Wk. 5	Africa	18 min.
Wk. 6	Asia	18 min.
Wk. 7	Europe	18 min.
Wk. 8	North America	21 min.
Wk. 9	South America	17 min.

Algebra Aspirations Gr. 7-12

Mon. 3:00pm Tues. 10:00am Wed. 11:00am
Thurs. 1:30pm Fri. 2:00pm

Wk. 1	Solving Systems of Equations	28 min.
Wk. 2	Relations & Functions	28 min.
Wk. 3	Linear Functions, Equations & Graphs	28 min.
Wk. 4	Variable Equations & Functions	25 min.
Wk. 5	Solving Inequalities in 1 & 2 Variables	27 min.
Wk. 6	Rational Functions & Expressions	29 min.
Wk. 7	Exponents & Exponential Functions	27 min.
Wk. 8	Quadratic Functions, Equations & Graphs	26 min.
Wk. 9	Logarithms & Logarithmic Functions	31 min.

Rivers of North America Gr. 5-12

Mon. 12:30pm Tues. 3:00pm Wed. 10:00am
Thurs. 2:00pm Fri. 9:30am

Wk. 1	The Hudson River	23 min.
Wk. 2	The Upper Mississippi River	23 min.
Wk. 3	The Lower Mississippi River	25 min.
Wk. 4	The Indian River/Intercoastal Waterway	24 min.
Wk. 5	The Arkansas River	24 min.
Wk. 6	The Sacramento & American Rivers	24 min.
Wk. 7	The Rio Grande River	22 min.
Wk. 8	The Potomac River	24 min.
Wk. 9	The Columbia & Snake Rivers	25 min.

Wild Kratts Gr. K-4

Mon. 11:30am Tues. 2:30pm Wed. 10:30am
Thurs. 12:30pm Fri. 11:00am

Wk. 1	The Attack of the Tree Eating Aliens	30 min.
Wk. 2	Secrets of the Spider's Web	30 min.
Wk. 3	Let the Rhinos Roll!	30 min.
Wk. 4	Bad Hair Day	30 min.
Wk. 5	Elephant in the Room	30 min.
Wk. 6	Zig-Zagged	30 min.
Wk. 7	Bugs or Monkeys	30 min.
Wk. 8	Termites vs. Tongues	30 min.
Wk. 9	Musk Ox Mania	30 min.

Learn Our History Gr. K-4

Mon. 11:00am Tues. 2:00pm Wed. 1:00pm
Thurs. 10:00am Fri. 2:30pm

Wk. 1	The Pledge of Allegiance	27 min.
Wk. 2	Declaration of Independence	23 min.
Wk. 3	Winning Our Freedom	23 min.
Wk. 4	Columbus & the Great Discovery	25 min.
Wk. 5	The Constitution & the Bill of Rights	20 min.
Wk. 6	A Tribute to Our Brave Military	25 min.
Wk. 7	A History of Sports in America	21 min.
Wk. 8	Ladies of Liberty	21 min.
Wk. 9	The Adventures of Lewis & Clark	21 min.

What's Up in Space Gr. K-2

Mon. 12:15pm Tues. 9:30am Wed. 11:45am
Thurs. 1:00pm Fri. 1:45pm

Wk. 1	Earth	12 min.
Wk. 2	Exploring Space	12 min.
Wk. 3	Mars	12 min.
Wk. 4	The Moon	12 min.
Wk. 5	Planets	12 min.
Wk. 6	Stars	12 min.
Wk. 7	The Sun	12 min.
Wk. 8	Earth	12 min.
Wk. 9	Exploring Space	12 min.

Wildfiles Gr. 3-8

Mon. 1:00pm Tues. 11:30am Wed. 2:30pm
Thurs. 9:30am Fri. 12:30pm

Wk. 1	Tale of the Giant Beaver	23 min.
Wk. 2	You Say Buffalo, I Say Bison	23 min.
Wk. 3	Feather of Hope	23 min.
Wk. 4	Arachnophobia on the Loose	23 min.
Wk. 5	You Go, Caribou	23 min.
Wk. 6	Strong as a Muskox	23 min.
Wk. 7	Owl for One, One for Owl	23 min.
Wk. 8	Lair of the Tiger	23 min.
Wk. 9	Big Ol' Moose	23 min.

** Channel 9 Programming **

Super Why Gr. K-2

Mon. 1:30pm Tues. 10:30am Wed. 12:00pm
Thurs. 9:00am Fri. 1:00pm

Wk. 1	Hansel & Gretel	25 min.
Wk. 2	Jack & the Beanstalk	25 min.
Wk. 3	Little Red Riding Hood	25 min.
Wk. 4	The Three Little Pigs	25 min.
Wk. 5	The Princess & the Pea	25 min.
Wk. 6	Pinocchio	25 min.
Wk. 7	Rumpelstiltskin	25 min.
Wk. 8	Cinderella	25 min.
Wk. 9	Humpty Dumpty	25 min.

Creature Features Gr. K-2

Mon. 9:30am Tues. 12:15pm Wed. 2:15pm
Thurs. 3:15pm Fri. 10:30am

Wk. 1	Lady Bugs	5 min.
Wk. 2	Leaf Beetles	5 min.
Wk. 3	Spiders	5 min.
Wk. 4	Ants	5 min.
Wk. 5	Crickets	5 min.
Wk. 6	Mosquitoes	5 min.
Wk. 7	Praying Mantis	5 min.
Wk. 8	Bees & Wasps	5 min.
Wk. 9	Cicadas	5 min.

All Aboard Gr. 5-12

Mon. 10:00am Tues. 1:30pm Wed. 3:00pm
Thurs. 12:00pm Fri. 11:30pm

Wk. 1	Amtrak Empire Builder	27 min.
Wk. 2	Michigan Fast Freight	27 min.
Wk. 3	Sante Fe Odyssey	27 min.
Wk. 4	Rock Island Railroad	27 min.
Wk. 5	Henry Ford Railroad	27 min.
Wk. 6	Narrow Gauge Passenger Chase	27 min.
Wk. 7	Steel Rails – Private Varnish	27 min.
Wk. 8	Union Pacific Super Railroad	27 min.
Wk. 9	Steam in the 50's	27 min.

Between the Lions Gr. K-3

Mon. 2:30pm Tues. 9:00am Wed. 12:30pm
Thurs. 11:00am Fri. 3:00pm

Wk. 1	The Lost Rock	27 min.
Wk. 2	Stop that Pickle/Chicks & Salsa	27 min.
Wk. 3	Ruby Sings the Blues/The Camel Dances	27 min.
Wk. 4	Making Bread & Cheesybreadville	27 min.
Wk. 5	Being With You This Way/How to Be	27 min.
Wk. 6	Spicy Hots Colors/I Had the Blues	27 min.
Wk. 7	Bear Snores On/Night In the Country	27 min.
Wk. 8	Stone Soup/Bee-Bim Bop!	27 min.
Wk. 9	Violet's Music/Alvin's Instrument	27 min.

Prime Radicals Gr. 4-8

Mon. 10:30am Tues. 1:00pm Wed. 2:00pm
Thurs. 11:45am Fri. 9:00am

Wk. 1	A Cute Look at Angles	15 min.
Wk. 2	Counting Systems	15 min.
Wk. 3	Doubling, Halving & More	15 min.
Wk. 4	Big Numbers & the Power of Zero	15 min.
Wk. 5	It's About Time	15 min.
Wk. 6	Currencies & Types of Money	15 min.
Wk. 7	Patterns	15 min.
Wk. 8	Geometric Codes	15 min.
Wk. 9	Mixing & Matching	15 min.

Sesame English Gr. K-3

Mon. 9:45am Tues. 1:15pm Wed. 11:30am
Thurs. 3:00pm Fri. 9:15am

Wk. 1	Forecast: Wind	15 min.
Wk. 2	All in the Family	15 min.
Wk. 3	Do You Like It?	15 min.
Wk. 4	Make Me a Sandwich	15 min.
Wk. 5	Mine	15 min.
Wk. 6	Niki for President	15 min.
Wk. 7	Tingo Meets the Band	15 min.
Wk. 8	Vegetable Soup	15 min.
Wk. 9	What Time Is It?	15 min.

Look & Learn Gr. K-2

Mon. 12:00pm Tues. 9:45am Wed. 9:00am
Thurs. 11:30am Fri. 1:30pm

Wk. 1	The Frog's Life Cycle	11 min.
Wk. 2	The Mechanics of Toys	13 min.
Wk. 3	Building Materials	15 min.
Wk. 4	Structures	15 min.
Wk. 5	Bridges	11 min.
Wk. 6	Buildings	15 min.
Wk. 7	Land Transport	12 min.
Wk. 8	Air Transport	13 min.
Wk. 9	Water Transport	16 min.

Sesame English (ESL) Gr. K-3

Mon. 10:45am Tues. 12:00pm Wed. 9:15am
Thurs. 1:15pm Fri. 10:45am

Wk. 1	Forecast: Wind	15 min.
Wk. 2	All in the Family	15 min.
Wk. 3	Do You Like It?	15 min.
Wk. 4	Make Me a Sandwich	15 min.
Wk. 5	Mine	15 min.
Wk. 6	Niki for President	15 min.
Wk. 7	Tingo Meets the Band	15 min.
Wk. 8	Vegetable Soup	15 min.
Wk. 9	What Time Is It?	15 min.

** Channel 11 Programming *

NOVA Gr. 4-12

Mon. 11:30am Tues. 9:00am Wed. 10:00am
 Thurs. 1:30pm Fri. 1:00pm

Wk. 1	BEES: Tales from the Hive	53 min.
Wk. 2	ANTS: Little Creatures Who Run the World	53 min.
Wk. 3	Ape Genius	53 min.
Wk. 4	Volcano Above the Clouds	53 min.
Wk. 5	Lightning!	53 min.
Wk. 6	Roller Coaster!	53 min.
Wk. 7	The Incredible Journey of Butterflies	53 min.
Wk. 8	The Great Math Mystery	53 min.
Wk. 9	BEES: Tales from the Hive	53 min.

Language of Business

Gr. 9-12

Mon. 12:30pm Tues. 10:00am Wed. 11:00am
 Thurs. 12:00pm Fri. 9:00am

Wk. 1	Made In USA	30 min.
Wk. 2	Disruptive Technology	30 min.
Wk. 3	Small Businesses	30 min.
Wk. 4	Family Businesses	30 min.
Wk. 5	Digital Marketing	30 min.
Wk. 6	Art and Business	30 min.
Wk. 7	Mass Challenge	30 min.
Wk. 8	Starting a Business from Scratch	30 min.
Wk. 9	Business Pivots	30 min.

Mechanical Universe Gr. 9-12

Mon. 9:00am Tues. 1:00pm Wed. 8:00am
 Thurs. 11:00am Fri 10:00am

Wk. 1	Velocity and Time	30 min.
Wk. 2	Energy, Momentum and Mass	30 min.
Wk. 3	Voltage , Energy and Force	30 min.
Wk. 4	Energy and Eccentricity	30 min.
Wk. 5	Gravity, Electricity and Magnetism	30 min.
Wk. 6	Static Electricity	30 min.
Wk. 7	Temperature and the Gas Laws	30 min.
Wk. 8	Vector Fields and Hydrodynamics	30 min.
Wk. 9	Particles and Waves	30 min.

Geometry Applications Gr. 4-12

Mon. 1:30pm Tues. 12:00pm Wed. 9:00am
 Thurs. 10:00am Fri 11:30am

Wk. 1	Points and Lines	32 min.
Wk. 2	Circles	38 min.
Wk. 3	Triangles	38 min.
Wk. 4	Angles and Planes	32 min.
Wk. 5	Area and Volume	41 min.
Wk. 6	Coordinate Geometry	37 min.
Wk. 7	Three-Dimensional Geometry	34 min.
Wk. 8	Transformations	37 min.
Wk. 9	Quadrilaterals	33 min.

Rocks of Ages Gr. 4-12

Mon. 10:30am Tues: 11:00am Wed. 1:00pm
 Thurs. 9:00am Fri 8:00am

Wk. 1	Basalt	54 min.
Wk. 2	Granite	53 min.
Wk. 3	Marble	54 min.
Wk. 4	Meteorites	54 min.
Wk. 5	Sandstone	58 min.
Wk. 6	Basalt	54 min.
Wk. 7	Granite	53 min.
Wk. 8	Marble	54 min.
Wk. 9	Meteorites	54 min.

Did You Know?

Unbelievable Facts About the Ocean

Our oceans cover more than 70% of the Earth's surface. With so much of the Earth's surface taken up by the ocean, it's evident how vital these marine environments are to the planet and how much there is to still be explored.

The majority of life on Earth is aquatic. As so much of the Earth's surface is under water, it comes as no surprise that marine species outnumber those on land. It's an incredible 94% of the Earth's living species that exist within the oceans.

Less than 5% of the planet's ocean have been explored. According to the Ocean Service, man has explored less than 5% of Earth's oceans. As researchers strive to discover more, we're continually getting to know our oceans better.

The world's longest mountain chain is underwater. Earth's longest chain of mountains, the Mid-Ocean Ridge, is almost entirely beneath the ocean, stretching across a distance of 65,000 kilometers. It's said that this mountain chain is less explored than the surface of Venus or Mars.

Over 70% of our planet's oxygen is produced by the ocean. It's thought that between 70 & 80% of the oxygen we breath is produced by marine plants. Nearly all of which are marine algae.

There are more historic artefacts under the sea than in all the world's museums. Around 1,000 shipwrecks lie off the Florida Keys alone. Other underwater museums have been created in recent years, including the Mediterranean's submerged bronze statue, Christ of the Abyss.

We still only know a fraction of the marine species in our oceans. According to the World Register of Marine Species, there are now 240,470 accepted species, with new marine life being discovered every day.

The Pacific Ocean is the world's largest ocean. With 25,000 islands lying within it, it has more islands than anywhere else on the planet.

For more ocean facts, visit www.trafalgar.com