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| **A Brief History of Television** |
| Name |  | Date |  |

**Introduction**

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| * Few inventions have had as much effect on
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| * Before 1947 the number of homes
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| * By 2010, 99 percent of Canadian homes had
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| * Unlike many other inventions throughout history,
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**Image Transmission**

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| As opposed to film, television does not provide a whole image to the viewer. Instead, the televised image is scanned. Scanning breaks down an image into lines of pixels that can be  |



**Cathode Ray Tube**

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| As opposed to film, with it’s mechanical progression of images, television produced motion pictures through a Cathode Ray:  |

**Digital and HDTV**

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| Digital Television (DTV) is the transmission of audio and video by a digitally processed and encoded signal |
| It is an innovative service that represents a  |

**Television and Culture**

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| Television Is Important Because: |
| * We spend
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| * It helps
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| * It provides
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| * It is the primary
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| * It shapes our
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**Television Ratings**

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| * Rating is the percentage of all homes equipped with
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| * Share is the percentage of homes in which the
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| * A.C. Nielsen collects ratings for network and
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**The Invention of Television**

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| * **1860-1865 James Maxwell:** His equations theorized that electricity,
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| * **1880-1885 Heinrich Hertz:** Proved Maxwell’s theories and identified Electromagnetic Waves. A Hertz (Hz) Unit can be used to measure any periodic event; the most common use for hertz is
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| * **1884 Paul Nipkow:** Developed the Nipkow disc, the first workable device for
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**Early Television Timeline**

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| 1900: The word “Television” is first used. |
| 1922 to 1927: The 'first' generation of TVs were not entirely electronic. Experiments with Mechanical scanning disc systems began. The TV had a motor with a spinning disc and a neon lamp producing a picture. |
| 1927 to 1928: First Mechanical TVs sold to the public. The period before 1935 was called the "Mechanical Television Era". This era was  |
| 1928 to 1935: Early experiments were performed using a system called All-Electronic  |
| 1935 to 1941: An experimental form known as Electronic TV begins in:. |
| 1941: Electronic Black and White Television begins broadcasting in the US. First two licensed TV stations were New York’s |

**Early Television Developments**

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| * 1923 - Vladimir Zworykin, working for Westinghouse, demonstrated his Iconoscope Tube,
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| * 1927 - Philo T. Farnsworth completed a
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| * 1929 - David Sarnoff lured Zworykin to RCA where he developed the Kinescope,
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| * Inventors in several countries including England, Japan and Russia, claim to
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| * 1939 - The Words Fair in New York, RCA made
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**Early Television**

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| * David Sarnoff of RCA built one of the first commercial television stations in 1932, with the transmitter in the Empire State Building,
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| * Franklin D. Roosevelt became the first president to appear on television when he
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| * Early TV sets did not sell because they were very expensive, there wasn’t
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**Development of Technical Standards**

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| * In the early days of TV, manufacturers would profit if their patents
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| * Some wanted black and white to be the standard, while others were working on colour and wanted
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| * Other patents involved different lines of resolution, (rows of lit pixels), that
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| * In 1941, the US government and industry agreed that television would present black and white pictures with 525 lines of resolution moving at a
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**Broadcast Television**

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| * Technically all broadcast television stations are local because signals that broadcast from a station’s transmitter will only be seen up to 80KM from the transmission point unless
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| * About one quarter of all television stations in North America are public broadcasting stations supported by
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| * About half of all stations are VHF, or Very High Frequency, and operate on a channel from 2 through 13. The other half are UHF, or Ultra High Frequency,
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**Post War Growth**

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| **World War II Stops TV’s Growth**Most of the engineers in television joined the military and developed radar, sonar,  |
| **Post-War Development**In the early 1940s audiences were excited to see any video so the industry broadcast anything available including talentless talent, live shots of a sunset and even test patterns. By 1948, TV sales increased by  |
| * 1948 to 1958 was a time of unusually good dramatic programming.
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| * Quality dramas were needed to attract wealthy, educated viewers
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| * Most television dramas were performed live because videotape recording had
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| * In the fifties, more TV sets (70 million) were sold than children born
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| * In 1952 there were 108 TV stations. Ten years later there were 541. Today there are about
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| * The big three networks – ABC, CBS and NBC – dominated programming. On any given night more than.
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| * The first issue of TV Guide appeared
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**The Entrance of the Movie Studios**

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| * In 1954 Walt Disney was the first studio leader to associate his name with a television program. Disney saw the possibilities of TV for promoting his Disneyland theme park and
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| * After Warner Brothers began producing the western “Cheyenne” for ABC in 1955, all the major film studios started
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**The Future of TV**

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| * Corporate mergers continue to reduce the number of “voices”
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| * Digital television (HDTV)
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| * Reality programming becomes TV's
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| * TV programming becomes available through
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**Controversies**

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| * To reach the greatest possible audience, most television programs are
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| * Most critics agree that TV entertainment is too violent – particularly when the violence
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| * Extensive research into television indicates that exposure to televised material
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