

# TV 2020 THE TV ECOSYSTEM NAB SHOW NEW YORK

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### **The TV Ecosystem in 2020: What You Need to Know**

**NAB Show New York:** The TV ecosystem is constantly evolving, and it can be difficult to keep up with all the changes. Here are some of the key trends that we'll be discussing at NAB Show New York:

#### **1. The Rise of Streaming**

Streaming is now the most popular way to watch TV, and its popularity is only growing. In 2020, streaming services are expected to account for more than half of all TV viewing. This is due in part to the rise of new streaming services, such as Disney+, HBO Max, and Peacock. These services offer a wide variety of programming, including movies, TV shows, and live sports.

#### **2. The Decline of Linear TV**

As streaming continues to grow, linear TV is in decline. Linear TV is traditional TV that is broadcast over the air or through a cable or satellite provider. In 2020, linear TV is expected to account for less than half of all TV viewing. This is due to the fact that viewers are increasingly cutting the cord and switching to streaming services.

#### **3. The Importance of Data**

Data is becoming increasingly important in the TV ecosystem. Data can be used to track viewer behavior, measure ad effectiveness, and develop new programming. In 2020, we expect to see even greater use of data in the TV industry.

#### **4. The Rise of Voice**

Voice control is becoming increasingly popular, and it is starting to have an impact on the TV ecosystem. In 2020, we expect to see more and more TV devices that are integrated with voice assistants. This will make it easier for viewers to find and watch content.

#### **5. The Future of TV**

It is difficult to predict the future of TV, but we can expect to see continued growth in streaming, data, and voice control. We may also see the emergence of new technologies, such as cloud gaming and virtual reality.

#### **Q&A:**

##### **1. What is the biggest trend in the TV ecosystem?**

The biggest trend in the TV ecosystem is the rise of streaming. Streaming is now the most popular way to watch TV, and its popularity is only growing.

##### **2. What is the impact of streaming on linear TV?**

The impact of streaming on linear TV is significant. Linear TV is in decline, and streaming is expected to account for more than half of all TV viewing in 2020.

##### **3. Why is data important in the TV ecosystem?**

Data is important in the TV ecosystem because it can be used to track viewer behavior, measure ad effectiveness, and develop new programming.

##### **4. What is the impact of voice control on the TV ecosystem?**

Voice control is becoming increasingly popular, and it is starting to have an impact on the TV ecosystem. In 2020, we expect to see more and more TV devices that are integrated with voice assistants.

##### **5. What is the future of TV?**

It is difficult to predict the future of TV, but we can expect to see continued growth in streaming, data, and voice control. We may also see the emergence of new technologies, such as cloud gaming and virtual reality.

### **Writers Inc. Daily Language Workouts: A Language and Writing Revolution for Grade 9**

The Writers Inc. Daily Language Workouts program is an innovative and engaging daily resource that transforms language and writing instruction for grade 9 students. This comprehensive program focuses on essential grammar, usage, and mechanics skills while providing opportunities for students to practice and improve their writing fluency.

**Q: What is included in the Daily Language Workouts program? A:** The program provides daily bell-ringers that consist of 3-4 multiple-choice sentences for students to correct. These sentences reinforce grammar, usage, and mechanics rules while fostering critical thinking and accuracy.

**Q: How does the program enhance writing skills? A:** The Weekly Paragraphs component of the program requires students to analyze and respond to a given prompt, focusing on developing coherent and well-organized arguments. This weekly writing assignment challenges students to apply their language skills in a meaningful context.

**Q: What are the benefits of Daily Language Workouts? A:** The program promotes daily practice, building proficiency in grammar and usage. It improves critical thinking skills and enhances writing fluency through regular paragraph writing assignments. Additionally, it provides teachers with a structured and time-efficient resource for language instruction.

**Q: How does the program track student progress? A:** Daily Language Workouts includes diagnostic assessments that help students identify areas for improvement. Progress checks and writing portfolio entries allow students and teachers to monitor growth and provide feedback.

**Q: Is the program suitable for all students? A:** The program is designed for grade 9 students of all levels, from struggling learners to advanced writers. Its differentiated

instruction approach accommodates diverse student needs and ensures that every student has the opportunity to succeed.

### **Welding Metallurgy: Sindo Kou Solution**

**Q1: What is welding metallurgy? A1:** Welding metallurgy is the science of understanding the changes that occur in metals during the welding process. It involves studying the effects of various welding parameters, such as heat input, cooling rate, and shielding gas composition on the microstructure, properties, and performance of welded joints.

**Q2: Who is Sindo Kou? A2:** Sindo Kou is a renowned welding engineer and professor at the University of California, Berkeley. He is widely known for his contributions to the field of welding metallurgy, particularly for developing the "Sindo Kou Model" for predicting the weld pool shape and solidification behavior.

**Q3: What is the Sindo Kou Solution? A3:** The Sindo Kou Solution is a collection of mathematical formulas and computational tools developed by Sindo Kou. These tools enable engineers and researchers to analyze and predict the thermal behavior of welded joints. The solution is widely used in the design and optimization of welding processes.

**Q4: How is the Sindo Kou Solution used in practice? A4:** The Sindo Kou Solution is employed in various welding applications, including:

- Predicting the weld pool geometry and solidification behavior
- Optimizing welding parameters to achieve desired joint properties
- Designing novel welding techniques to improve weld quality
- Developing new materials and welding consumables

**Q5: What are the benefits of using the Sindo Kou Solution? A5:** The Sindo Kou Solution offers several advantages:

- Accurate prediction of weld pool behavior and joint properties
- Reduced experimental trials and optimization time
- Enhanced understanding of welding metallurgy

- Improved design and manufacturing capabilities

## **Exploring World Data with Bar Graph Frequency**

Bar graphs are versatile tools for visualizing data and identifying patterns. They can help us understand the distribution and frequency of various attributes within a dataset. By analyzing bar graphs, we can gain insights into the world around us.

**Question 1: Which nationality won the most gold medals in the 2020 Summer Olympics?**

**Answer:** The United States won the most gold medals with 39.

**Question 2: What is the most popular programming language in the world?**

**Answer:** Python is the most popular programming language with a 33% share.

**Question 3: Which country has the highest population density?**

**Answer:** Monaco has the highest population density with 18,678 people per square kilometer.

**Question 4: What is the most common cause of death worldwide?**

**Answer:** Ischemic heart disease is the most common cause of death with 8.9 million deaths annually.

**Question 5: Which gender has a higher life expectancy?**

**Answer:** Women have a higher life expectancy in most countries, with an average of 75.6 years compared to 70.6 years for men.

These questions demonstrate the versatility of bar graphs in visualizing and interpreting data. They allow us to compare different attributes, identify outliers, and draw conclusions about the world around us. By understanding how to use bar graph frequency, we can gain valuable insights into various aspects of society, health, and technology.

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