

# 2024-25 Competitive Events

## High School Topics



Some competitions have topics for students to follow. Make sure to refer to the Competitive Events Guidelines for specific details of each competition.

### Broadcast Journalism

Your community is known for its diverse and vibrant culture and has been struck by a major emergency. The specific nature of the emergency is left for teams to decide and can range from a natural disaster (like a hurricane or earthquake) to a large-scale industrial accident, a widespread health crisis, or even a cyber-attack affecting critical infrastructure.

You are part of your school's broadcast program. Deliver a LIVE broadcast event that includes the following:

- A story highlighting a first responder to the emergency
- Cause of emergency
- Emergency's Impact to the community
- Interview of someone impacted

### Business Ethics

Honesty & Integrity in the Workplace – Why it Matters

*Refer to the guidelines for the full scenario.*

### Coding & Programming

Create a program that helps students manage their personal finances by tracking account balances, income and expenses. The program should allow users to input details about their income sources and expenses, including the amount, category, and date of each transaction. It should provide features to view the current balance, generate summaries of income and expenses over specified periods (e.g., weekly, monthly), and categorize expenses to show spending patterns. Additionally, the program should include functionality to update or delete existing entries and offer search and filter options to easily find specific transactions.

### Computer Game & Simulation Programming

Create a game that encourages critical thinking and decision-making.

Include:

- Scenarios with ethical challenges
- Multiple outcomes based on player decisions
- Scoring (examples include points system, leaderboards, etc.)

The game must:

- Be playable on the student device using Windows 10, Mac OS, a modern web browser, or a mobile platform
- Be secure
- Have no game-breaking bugs

Games should consider accessibility features to accommodate players with disabilities.

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### Data Analysis

In 2023, major wildfires in Canada caused unprecedented air quality issues in the United States, especially in New York City. HealthyCleanAir4All, a fictitious nonprofit based in New York City, was founded to improve the air quality in the city. They have asked you, a data analyst, to analyze data regarding air quality, find trends, and make recommendations about improving the air quality in New York City. Using the provided data and your own research, identify trends and make recommendations based on the data and external factors.

Datasets provided by Data.gov:

- Air Quality (<https://catalog.data.gov/dataset/air-quality>)

### Digital Animation

"Welcome to Our School": Create an animation that teaches a new student or teacher about your school.

### Digital Video Production

Importance of Tourism

*Create a video that highlights the importance of tourism in your community or state.*

### Financial Statement Analysis

You were just hired as the new Chief Financial Officer of Target. Provide a presentation to highlight the key changes in the financial statements from financial statements ending December 2023 to identify the overall financial condition of the company and provide a strategy for upcoming business decisions and opportunities for growth.

### Future Business Educator

Competitors can choose a business-related topic from one of the following subject areas: Accounting, Economics, Entrepreneurship, Marketing, or Technology.

### Graphic Design

Your graphic design firm has been asked to create a branding package for a fictitious sports team. The package needs to showcase your creativity and highlight your skills in today's design industry.

Branding package should include:

- Team and logo design
- One uniform or jersey for the team
- Design a hat or other item to sell in the team store
- One giveaway item for a team to hand out at a game to fans
- One social media post advertising the team
- One social media post advertising a special event at a game

### Introduction to Business Presentation

You have been asked to give a presentation at the high school career fair. The topic for the presentation is Smart Money Management Tips for High School Students.

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### Introduction to Programming

Write an interactive story that occasionally asks the user what they'd like to do, and changes where the story goes based on user input. Allow the user to stop interacting with the story by saying "stop."

### Introduction to Public Speaking

Develop and deliver a speech based on the following topic:

*How volunteerism and community service can shape your future as a leader.*

### Introduction to Social Media Strategy

Develop one social media strategy aimed at increasing donations and support for a local non-profit organization in your community. Highlight specific projects, success stories, and behind-the-scenes content to build a connection with the audience.

### Mobile Application Development

Design a mobile application that gamifies learning for subjects like math, science, history, or language arts, offering interactive quizzes, puzzles, and progress tracking.

### Public Service Announcement

Produce a public service announcement about *Healthy Habits in the Workplace*.

### Public Speaking

Develop and deliver a speech based on the following topic:

*The Power of Networking: Building Professional Relationships for Future Success*

### Social Media Strategies

Develop social media strategies for a new eco-friendly clothing brand. Emphasize storytelling, influencer partnerships, and user-generated content to create buzz and drive sales.

### Visual Design

Your design firm has been asked to design a booth for one stand at a Local Farmers Market.

- The booth should highlight the products being sold
- The booth should show the company or farmer name and pricing of the products

### Website Coding & Development

Create a website for your school's guidance department so students can easily search job postings and employers can easily submit them.

Your website must include the following functionalities:

- A page for employers to submit postings
- A backend panel to approve or delete postings
- A page displaying the approved postings
- A page for students to apply for the posting

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### Website Design

Your school has opened a large gymnasium that can also be used as a 3,500-seat arena for events in the community. The community could rent the gymnasium for local sporting events, live concerts, trade shows, and other community events. You must create a website to promote this arena.

The website should include the following elements:

- A calendar of events
- A box office area to purchase tickets
- An information area that includes directions, seating charts, policies, and amenities
- A planner page that includes information on arena rental, contacts, etc.