

Sports Project Kit

Congratulations! You're going to or participating in a sporting event! Use these project ideas to enrich your educational experience. Read through them before you go to make sure you understand the terms and concepts, and to help you determine if you want to expand upon any of them. **You'll find fun facts and printable worksheets at the end of this packet.**

a- elementary level activity b- middle school level activity c- high school level activity

Language Arts

Learn the rules of your sport and practice your writing!

- a. Draw or write the basic rules or guidelines of your sport. Is there scoring? Do you compete in teams? How many players are on each team? What are the positions called and what do they do? Or what are the basic steps to doing your sport?
- b. Write an outline of what happens during a professional event of your sport. Include who, what, where, when, and how.
- c. Imagine you are a sports announcer and write a short narrative based on something you saw or did. Include stats, and try to use language that you've heard real sports announcers using. Do they speak differently and use different tone inflections? Why?

Materials required: Notebook, pen/pencil

Submission: A copy of your writings/drawing, and any pictures/videos

Teaching or learning notes:

Applied Math

Sports require a good working knowledge of math!

- a. Go on a shape hunt! Find all the shapes you can, and create a short report with pictures/drawings of the shapes you found, their use, and importance.
- b. Draw a diagram of the playing field, arena, or area including all important features for your sport. Look up the standard distances and include those on our diagram. Include arrows or other descriptive marks and a legend.
- c. Discover the math behind your sport. Choose one aspect and write about how math is needed to do well at your sport. Include examples of the math, when it's used, and why it's important.

Materials required: Notebook, pen/pencil, calculator or smartphone (optional)

Submission: Your calculations, estimations, and conclusions, and any pictures/videos

Teaching or learning notes:

Science

Physics is important in sports too! Explore the science behind your sport.

- a. What is physics and how it is important to your sport. Do a little research and write or draw about your answers.
- b. Pay careful attention to some of the plays or events during your sport. Describe how concepts like inertia, bernoulli's principle, gravity, force, and mass affect your sport.
- c. Complete step (b) from above but include diagrams with vectors and equations where possible.

Materials required: Notebook, pen/pencil

Submission: A copy of your drawings, diagrams, maps, or designs, and any pictures/videos

Teaching or learning notes:

Social Studies

Your sport has a rich past that has been intertwined with many important events in our country's history. Take time to explore the history a little deeper!

- a. When did your sport start and how? Draw or write about your findings.
- b. Draw a timeline of important events in your sport. Include other events in U.S. History on your timeline to see how your sport changed with our society.
- c. Research one event in your sport's history which made national headlines. When did it happen? Why? Who was involved? Why did it make big headlines? Write a short essay about your findings.

Materials required: Notebook, pen/pencil

Submission: A copy of your writings/drawings, and any pictures/videos

Teaching or learning notes:

Sports

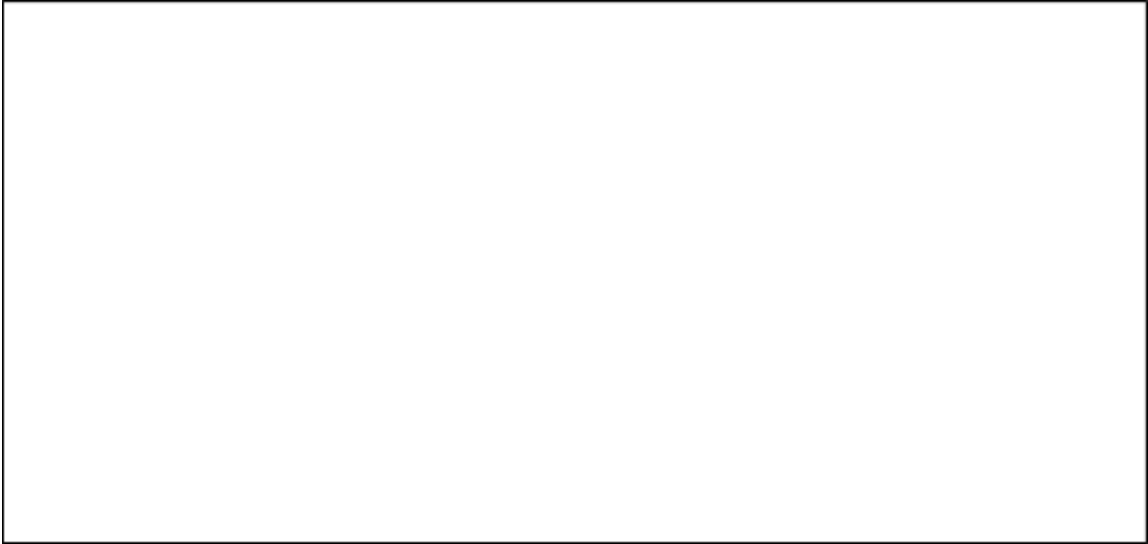
1. Draw a picture of where your sport happened..



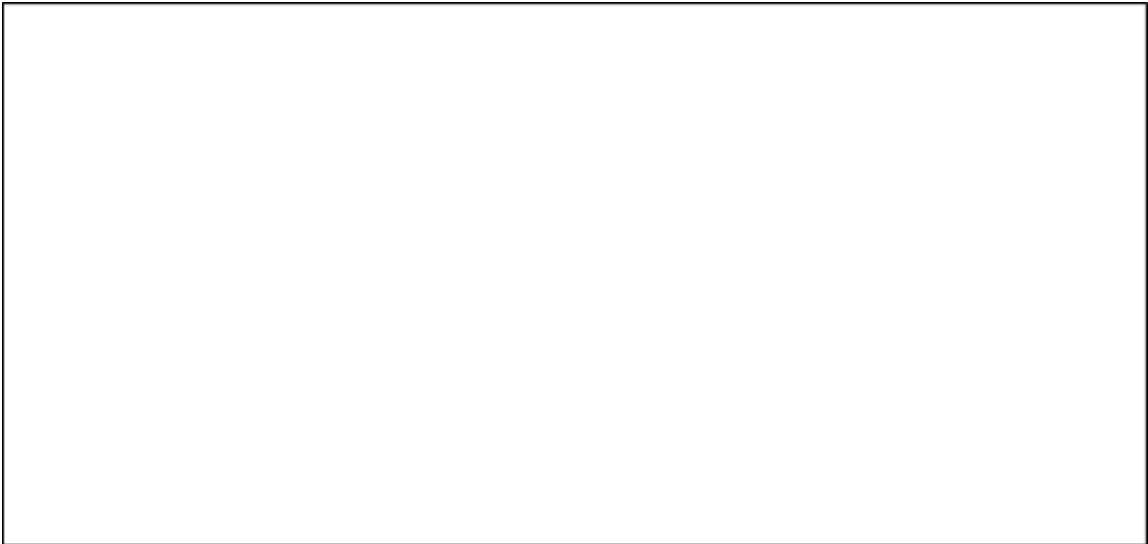
2. Describe your favorite part and why.

3. What is one thing you learned about the rules of your sport?

4. Draw or describe one example of engineering you saw.



5. Describe or draw one part that was really exciting.



6. Explain the purpose of some of the equipment used in your sport.

BONUS:

Choose a famous figure from your sport's history and learn more about his or her life? Where is (s)he from? How long has (s)he been doing that sport? Can you find out how much money (s)he makes? Does (s)he have a family? Write all the interesting things you found out.

S P O R T S
