Trampoline Park Kit

Congratulations! You're going to a trampoline park! 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 what sports and activities the trampoline park offers and practice your writing!

a. Choose one of the sports/activities and 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? Is there a time limit? Or what are the basic steps to doing your sport?
b. Write an outline of what happens during your chosen sport/activity. Include who, what, where, when, and how.
c. Imagine there is a professional version of your chosen trampoline sport/activity and you are a trampoline sports announcer and write a short narrative based on something you saw or did. Include scores or strategy used, 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 floorplan of the trampoline park including all important features of your chosen sport/activity area. Perhaps detail an emergency escape route and 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/activity. 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 the activities at the trampoline park? Do a little research and write or draw about your answers.
b. Pay careful attention to some of the plays or events during your activities. Describe how concepts like inertia, bernoulli's principle, gravity, force, and mass affect them.
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:

Activities

1. Draw a picture of what you did at the trampoline park.

2. Describe your favorite part and why.

3. What is one thing you learned about the rules of the activities you did?

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 the trampoline park.

BONUS:

Research the creator/founder of the trampoline park and learn more about his or her life. Where is (s)he from? How long has (s)he been doing that? How did (s)he come up with the idea of the park? Does (s)he have a family? Write all the interesting things you found out.