

## Day 6: Use appropriate tools strategically

**Objective:** You will use tools to aid the problem-solving process and predict what actions are necessary for the task to be accomplished. Assess what could have made the task easier or more difficult.

**Rationale:** Meaningful learning should be generalizable and applicable to real life. You will learn to use tools (formulas, strategies, techniques, etc.) to be dynamic in solving problems.

**Goal:** Make learning real and meaningful by applying learned knowledge to solve new problems.

**Key Terms:** appositive, *Americans with Disabilities Act (1990)*

**Materials & Resources:**

**Social Studies:** [ADA Accessibility Standards Now Include Parks](#) (Pittsburgh Parks Conservancy)

**ELA:** [Effective Interviewing](#); [Creating Good Questions](#); [Appositive Phrases](#); Example Quotes

**ACTIVITIES:****Social Studies**

- **Read** the article: [ADA Accessibility Standards Now Include Parks](#)
- **Summarize** the **Americans with Disabilities Act\***. Why is it important? How does it drive the design process to accommodate everyone in different spaces?
- **Analyze** the quote from the article: *"While it seems obvious that a goal in the design of a new playground is to allow a disabled child to play easily with other children, less obvious is the fact that a disabled parent also would need to be able to reach her child (disabled or not) in case she falls or gets hurt."*
  - How would your green space design accommodate disabled people?
- **Write** one thought you had while reading the article about the ADA applied to parks.
- **Write** one question you have. What still makes you curious? What might you need to have clarified?

**ELA**

- **Interview** 1-2 people to add more voice and perspective to help enhance your argument (ideally from other age groups, gender, role, etc.)
- **Apply** an appositive phrase to identify each interviewee in your text.

## Math

- **Describe**, in your own words, what you think *unit price* is.
- **Apply** Use linear regression for proportion concepts to determine unit price of an item when increasing scale and scope of an order.



1 yard = \$29

5 yards = \$130

- How much would 80 yards of mulch cost?
  - With a mulch budget of \$1,650, how many yards of mulch can you get?
- **Design** your own math problem using linear regression to determine unit price at different increments. Use a table to show the unit prices at different increments.

## Science

- **Connect** Reach out to a medical professional (a nurse, nurse practitioner, physician's assistant, doctor) to ask them about additional health benefits of Green Spaces in the community. ("How do you think people in our community would benefit from more nature space? Are you familiar with any health benefits associated with time spent in nature?" And so on...) Make sure you ask for their permission to use the information you are collecting. This will also enhance your argument.
- **Reflect** After speaking with a medical professional (or reading their research), explain how your new learning will influence the design of your own community green space.
- Remember, you can reach out to your own doctor as a resource. If you are unable to have a conversation with a healthcare professional, please write down facts about each of the areas listed below:
  - a. How do green spaces improve *mental* health?
  - b. How do green spaces improve *emotional* health?
  - c. How do green spaces improve *physical* health?