

# Designing Lincoln's Playground



The Lincoln School is getting a playground and Mrs. Gennodie wants to hear from you! Your job, with your partner, is to create a **blueprint** of a playground that would be suitable for **all** children and families and is a best fit for the Lincoln. You will be drawing a 2-dimensional plan of your design with your partner as well as creating a 3-dimensional classroom version of one group's playground. Be prepared to share your design with other members of the Lincoln School and Revere community! You will need to **persuade** your audience that your design is the best one for the Lincoln School. The timeline for this project is as follows:

## Day 1

- As a class, work together to find the area and perimeter of the recess yard in meters.
- Complete the pre-planning page
- Make a rough draft of **your** design

## Days 2 - 3

- Pair up with a classmate from your team group
- Collaborate on a new design that combines pieces from each of your playgrounds
- Create a second rough draft

## Days 4 - 7

- Drawing your final draft on large graph poster paper. Use appropriate tools to complete this task **neatly**.
- Begin working on your persuasive essay in ELA class! Why is your park the best choice? 😊

## Days 8 - 9

- Complete the math pages provided for the area and perimeter of the playground and its sections
- Continue working on your persuasive essay in ELA class! Why is your park the best choice? 😊



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Now that we have brainstormed different ideas for our playground and planned our rough drafts, let's get down to some specifics!

- Each square on the large grid paper represents  $1\frac{1}{2}$  meters. Think about how many meters 2 squares equal altogether.
  - Compare the total area of the recess yard to the total area of the grid paper.  
**Stay within the appropriate area – remember, we do not want to build more than the recess yard allows us to.**
- The playground must include a fence around the **perimeter** somewhere within your design. It can be around a specific structure or around the whole playground. Think about what would be the best and safest design.
- Your playground should include between 5 and 10 different sections. Three of these sections **MUST** come from the list below:
  - Basketball Court
  - Swings
  - Shaded Area
  - Seesaws
  - Slide
  - Monkey Bars/Jungle Gym
  - Sandbox
- All sections of the playground must have their own space. No parts may overlap.
- All sections must be in the shape of a rectangle.
- All lengths, widths, areas, and perimeters must be labeled and visible on your design.