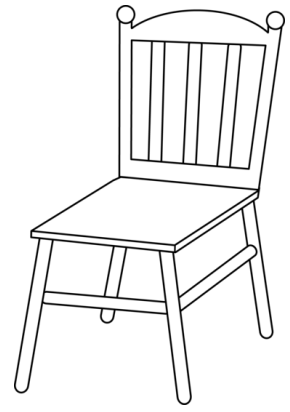
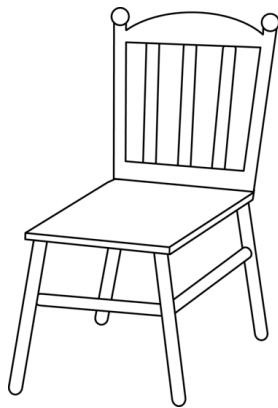
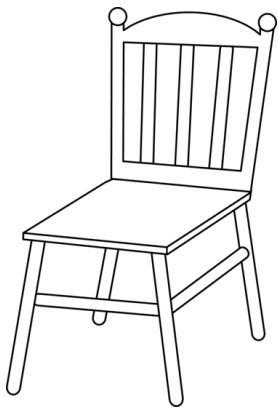
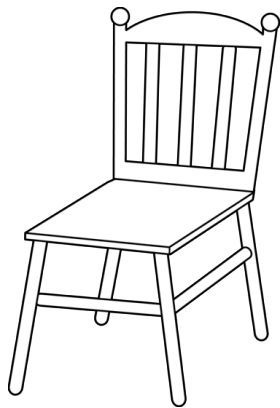
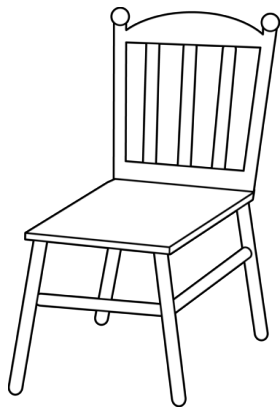
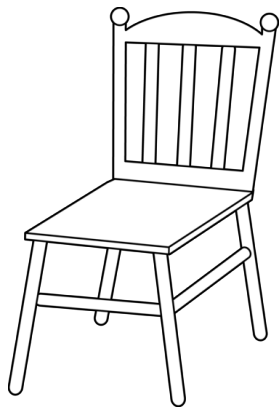


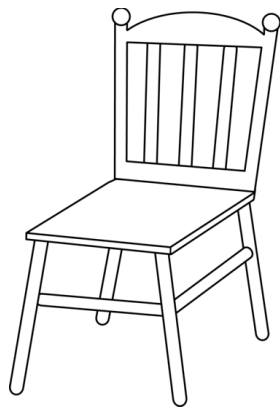
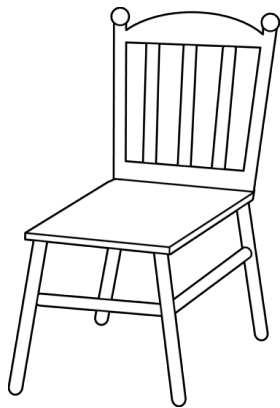
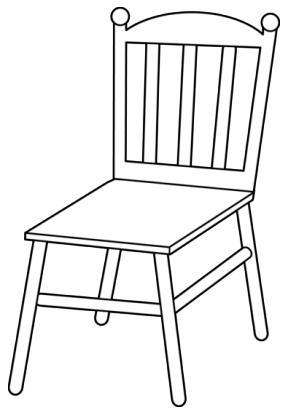
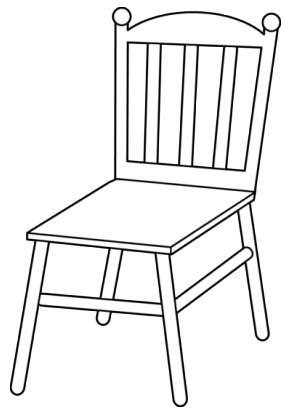
# **Durham Public School Professional Learning Communities:** *Catalyzing Equity in Computer Science Education*

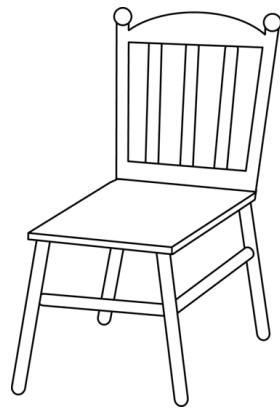
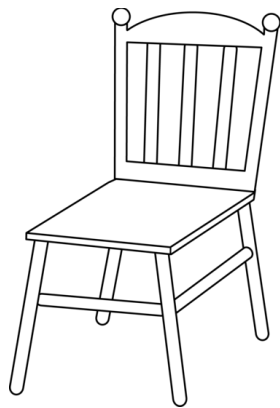
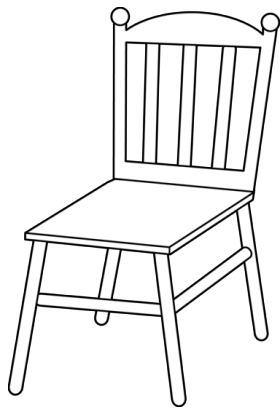
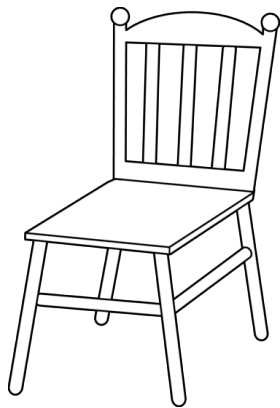
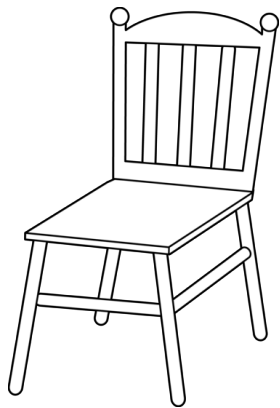
Amy Shanjiao Jiang  
Duke University

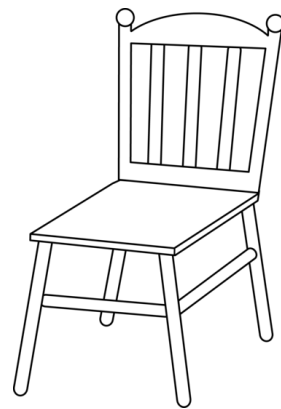
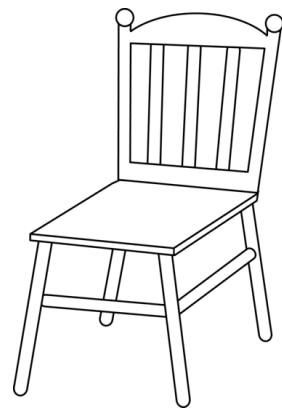
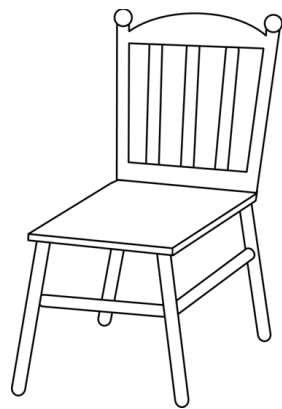
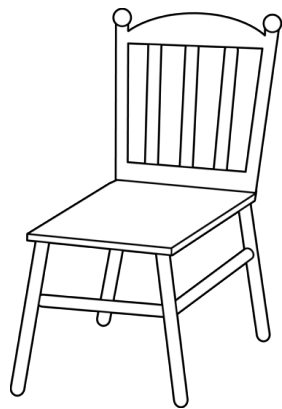
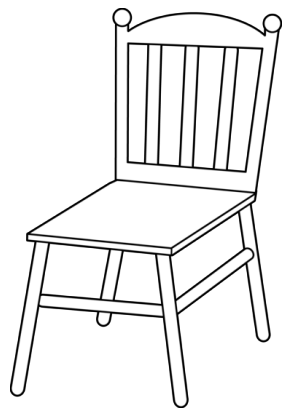
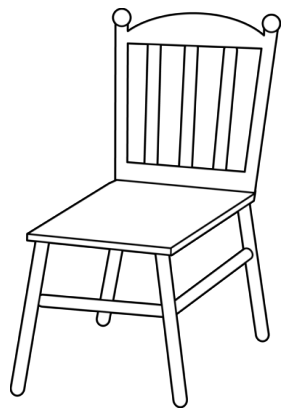


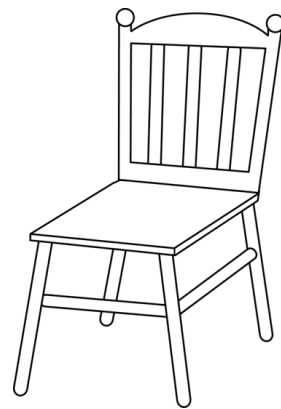
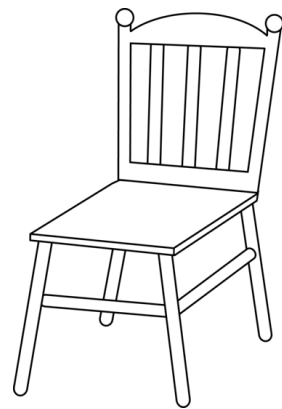
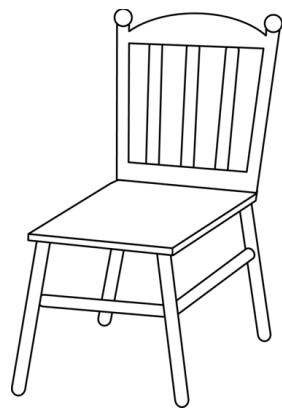
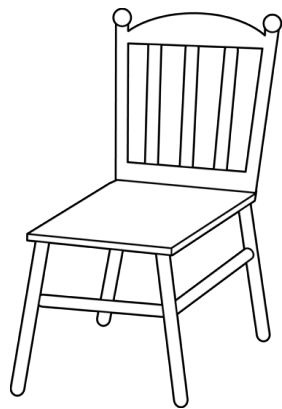
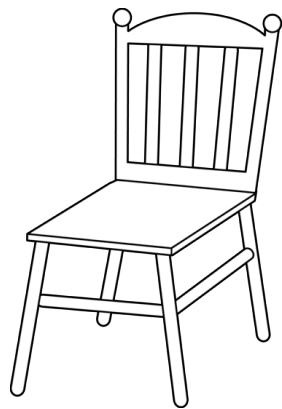
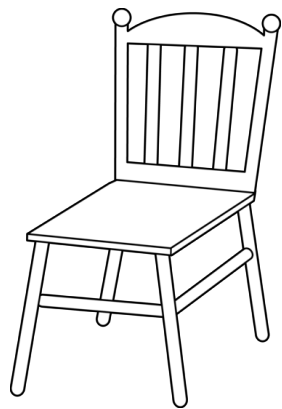


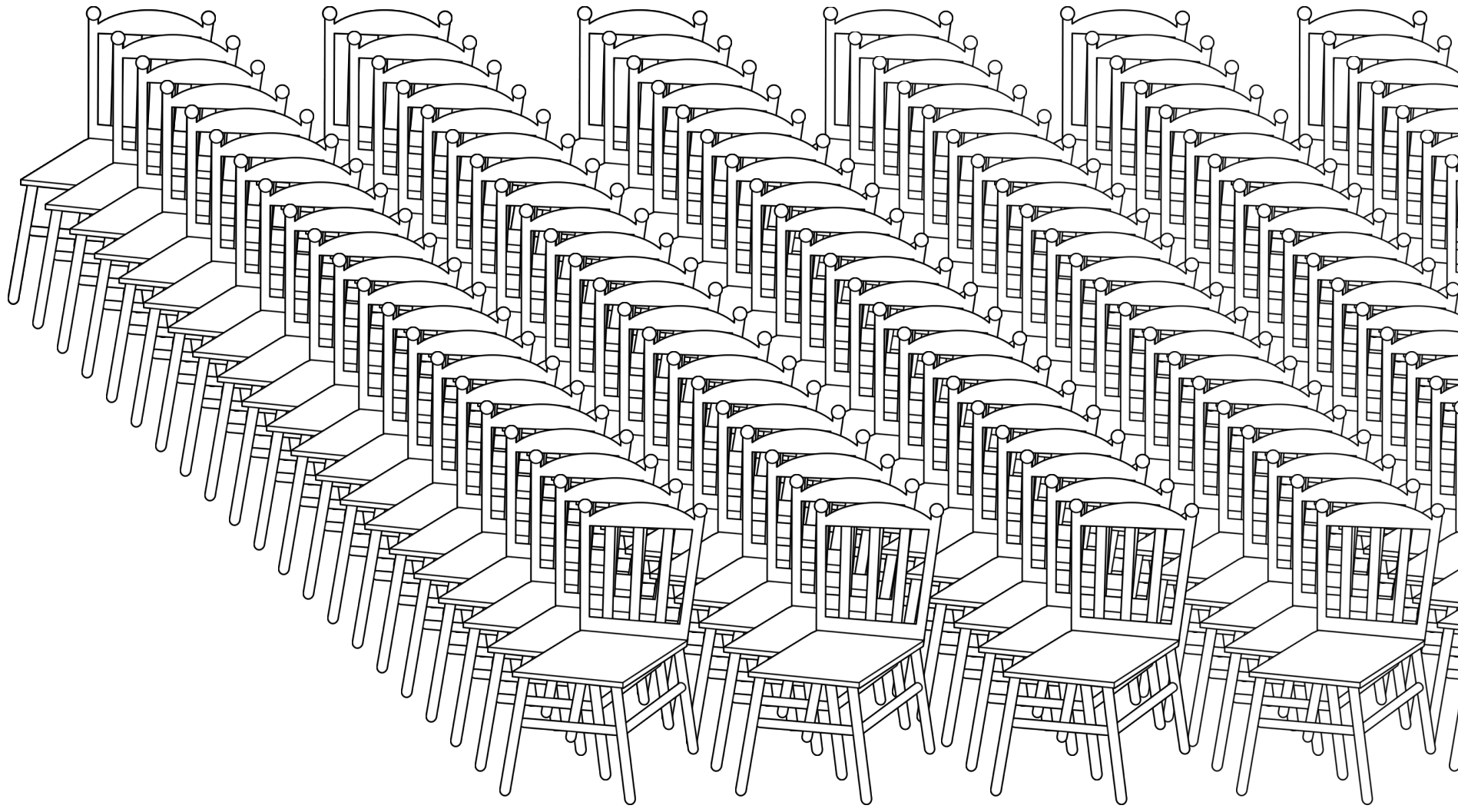


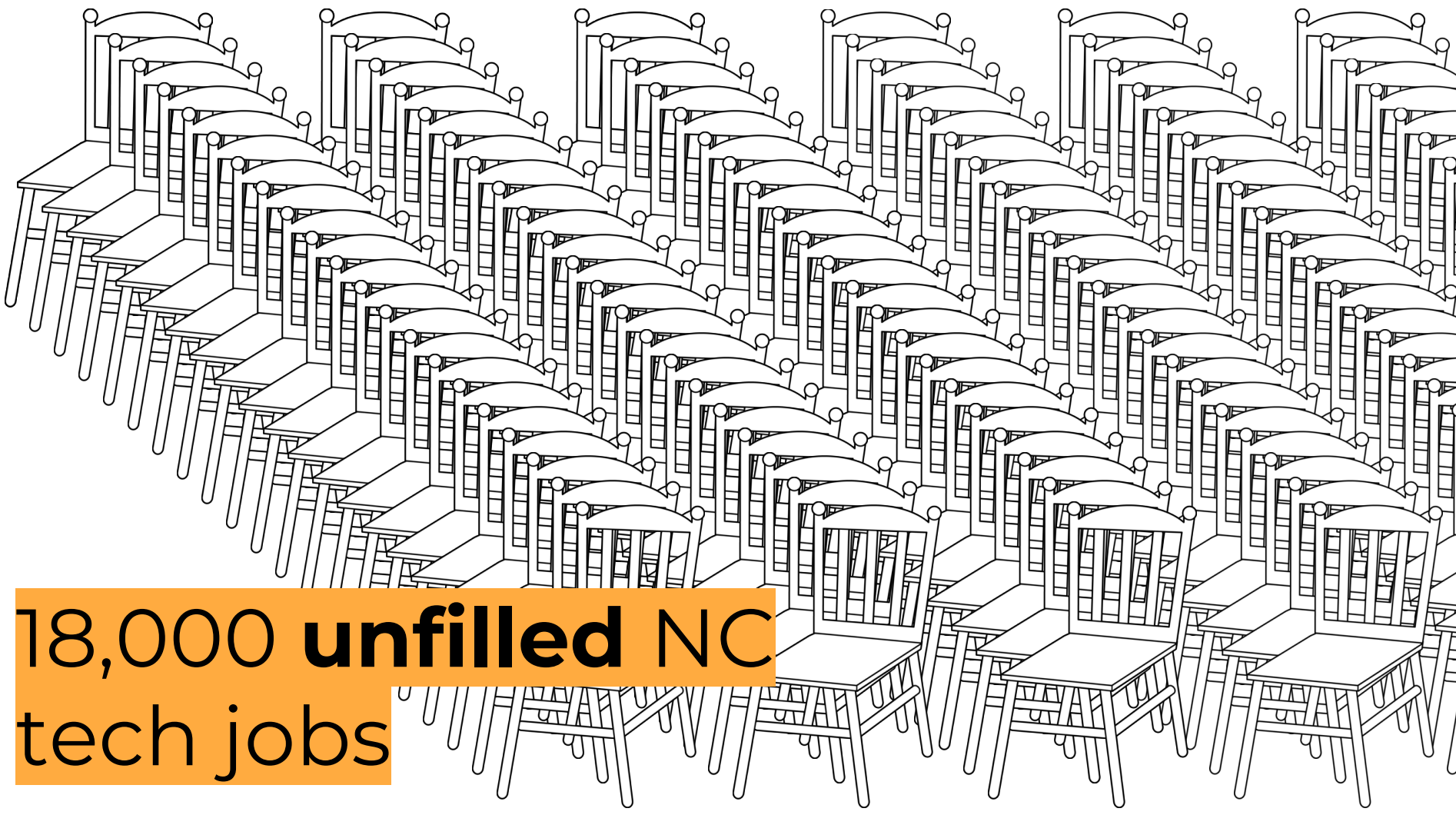












18,000 **unfilled** NC  
tech jobs

*why* do we want greater diversity in tech?

*how* do we get greater diversity in tech?

*why* do we want greater diversity in tech?

- 1) women & people of color**
- 2) companies**

*how* do we get greater diversity in tech?

*why* do we want greater diversity in tech?

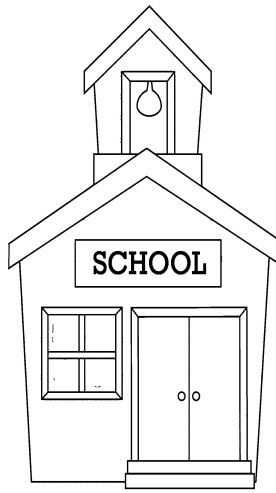
- 1) women & people of color**
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*how* do we get greater diversity in tech?

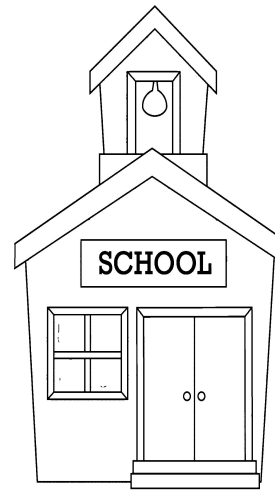
**high school computer  
science classes**

# Methods:

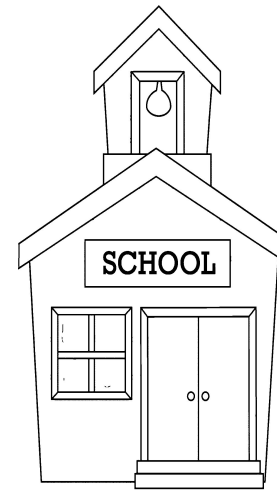
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- Teacher Riley (Riverside)
- Teacher Alex (New Tech)
- Teacher Ford (Jordan)



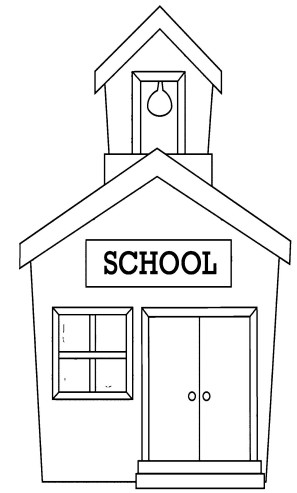
Hillside



Riverside



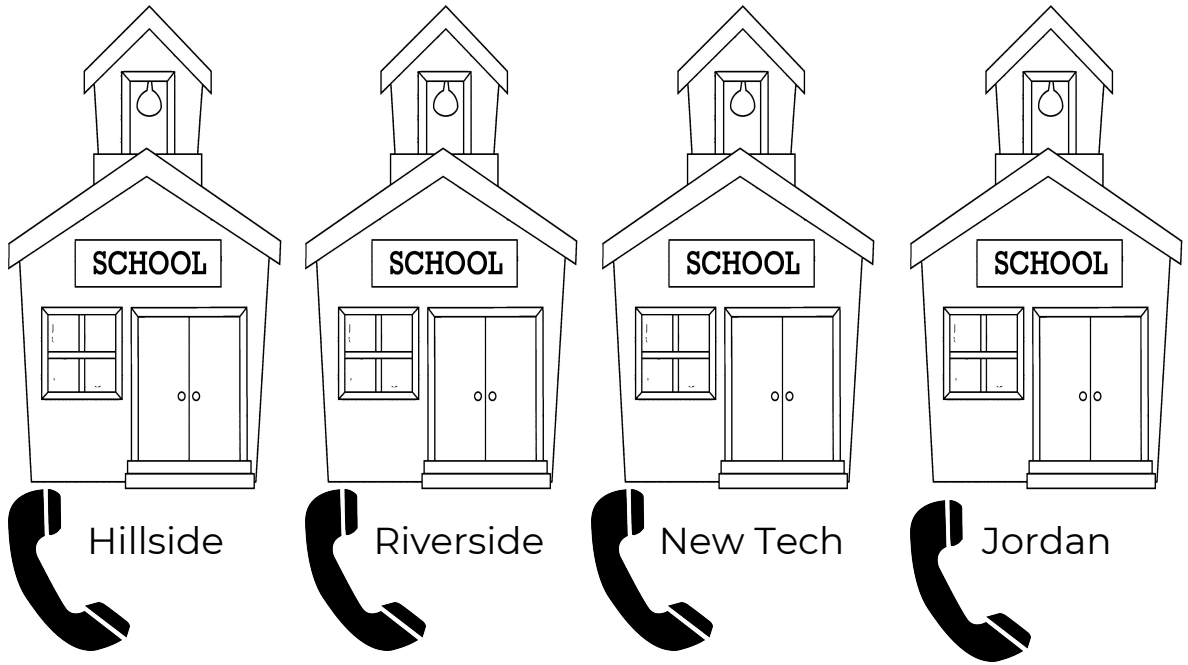
New Tech



Jordan

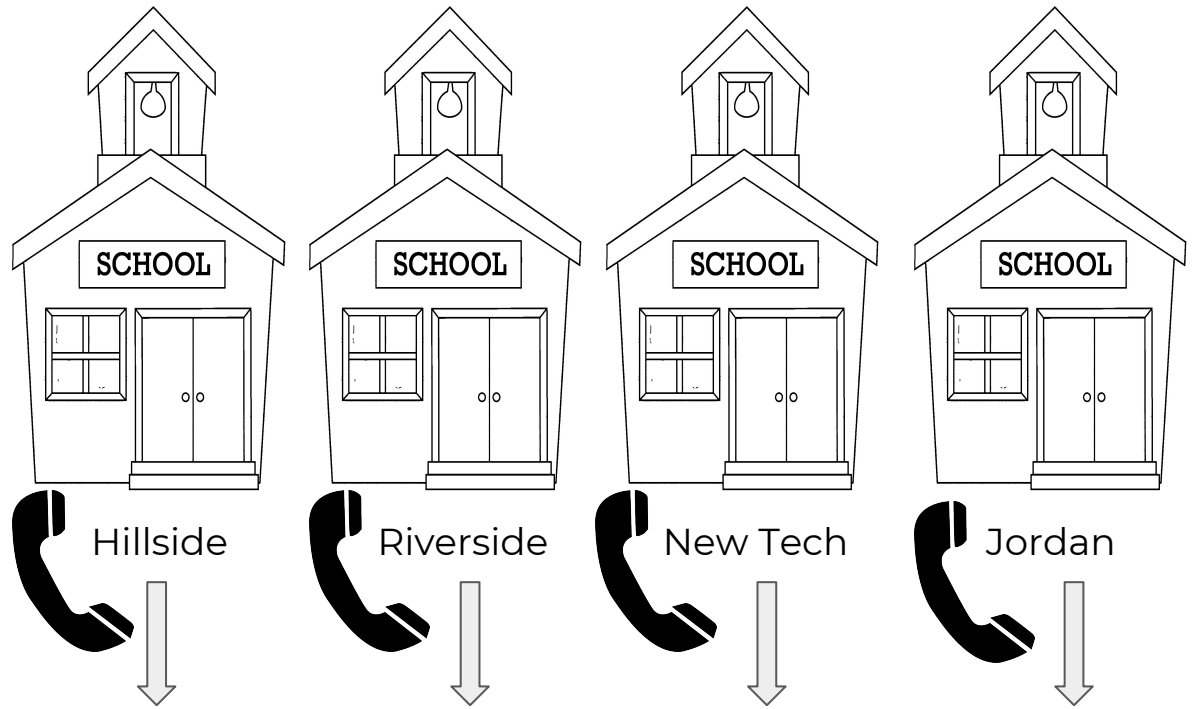
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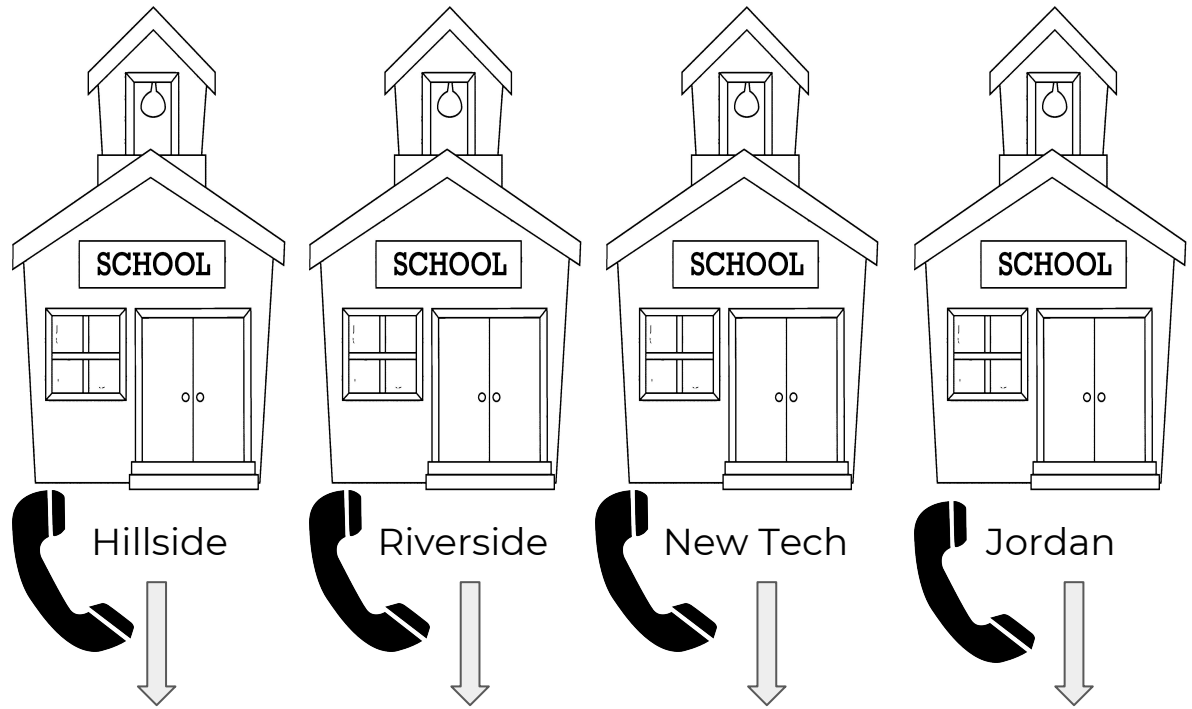
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"The **necessity for CS** is growing"

# Methods:

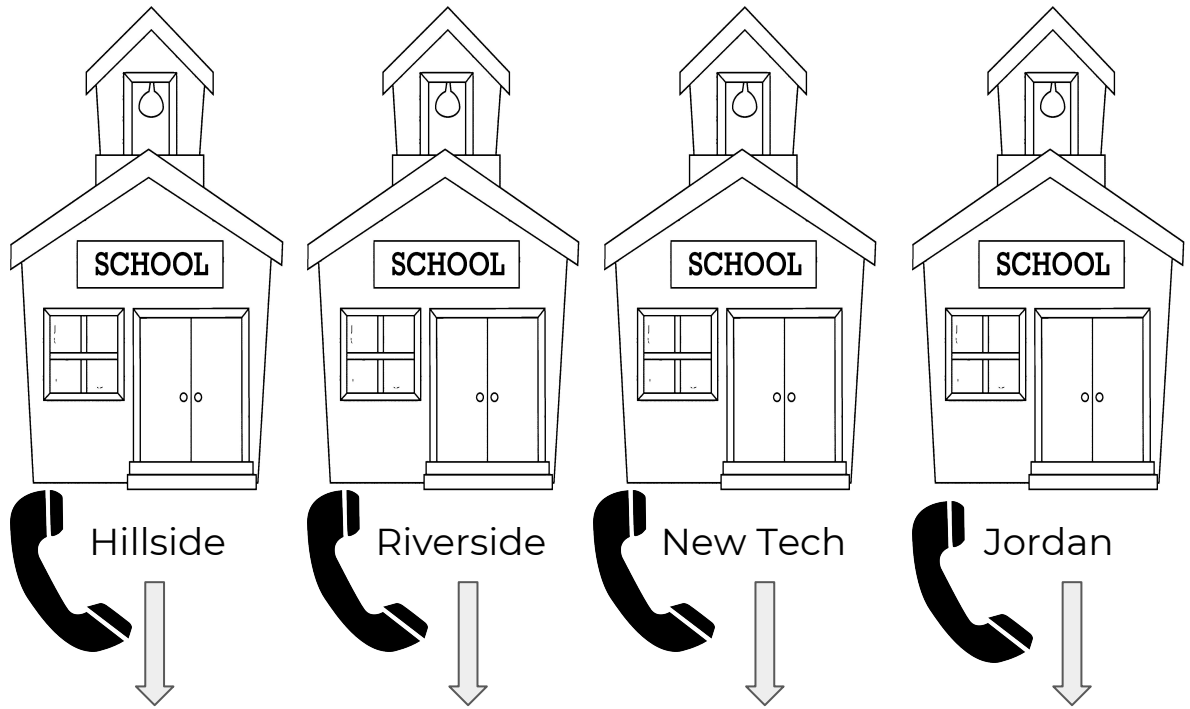
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- Teacher Ford (Jordan)



“Students are learning **problem solving & decision-making** in CS classes”

# Methods:

- Teacher Dakota (Hillside)
- Teacher Riley (Riverside)
- Teacher Alex (New Tech)
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“Almost every job is **influenced by technology**”

# 1. State-level

- Non-Advanced Placement  
CS courses = **CTE courses**

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- Non-Advanced Placement  
CS courses = **CTE courses**
- No **curriculum** guidelines

## 2. District-level

- No CS Professional Learning Communities **(PLC)**

### 3. Classroom-level

- More **students of color in introductory CS classes** than AP classes

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- More **students of color in introductory CS classes** than AP classes
- Low participation by **women**



# Professional Learning Communities



# Professional Learning Communities

for CS high school teachers focused on:



# Professional Learning Communities

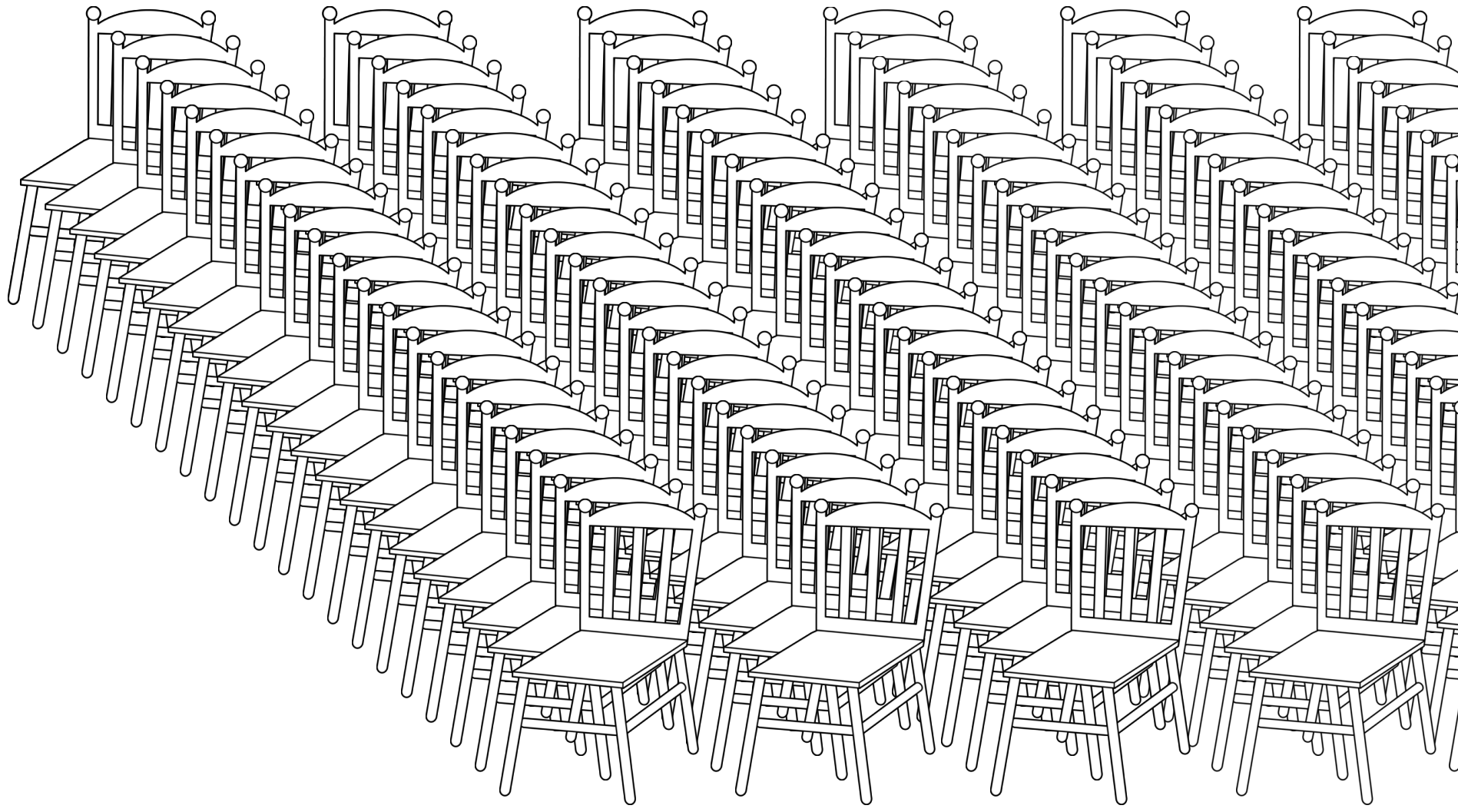
for CS high school teachers focused on:  
**1) recruiting women**

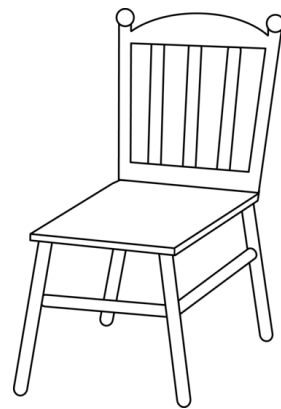
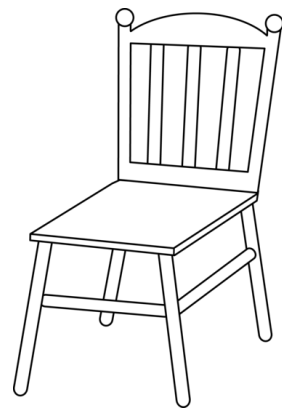
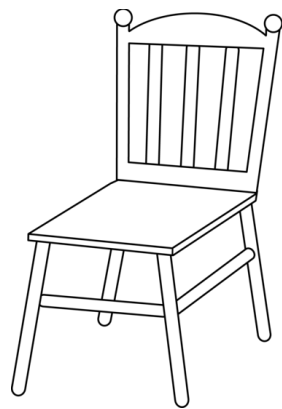
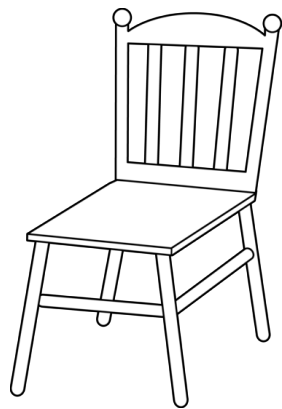
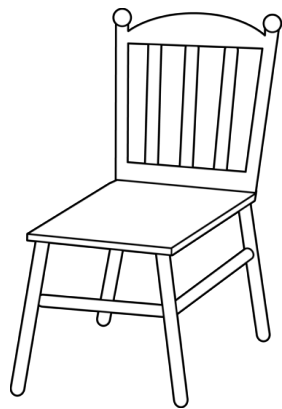
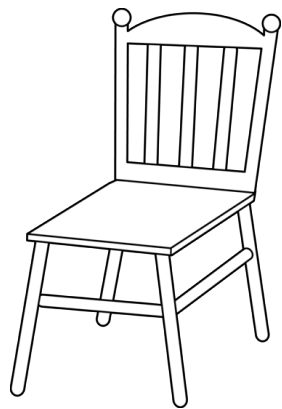


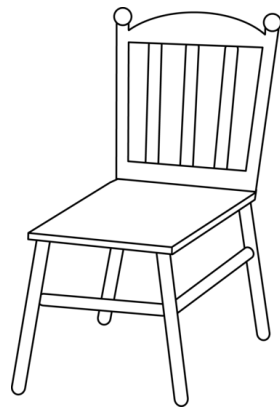
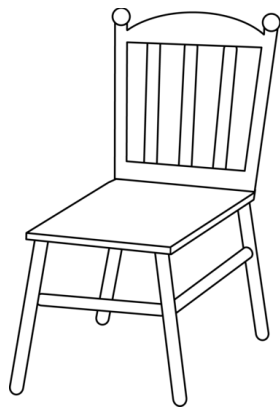
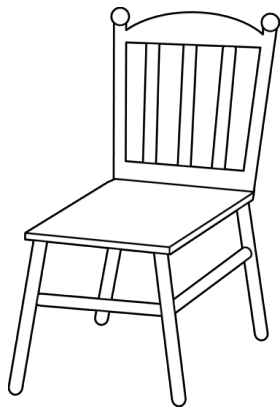
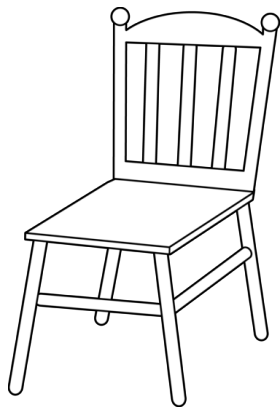
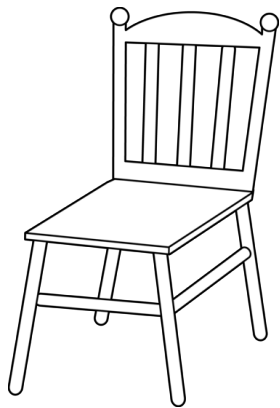
# Professional Learning Communities

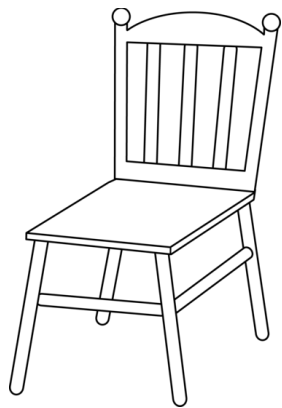
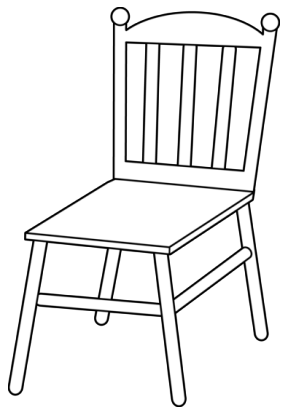
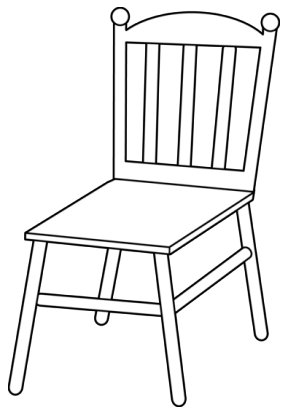
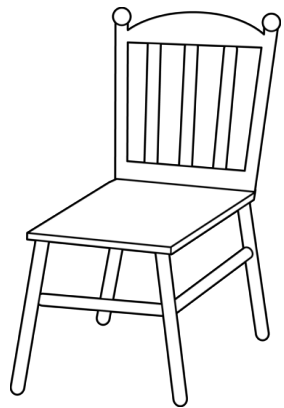
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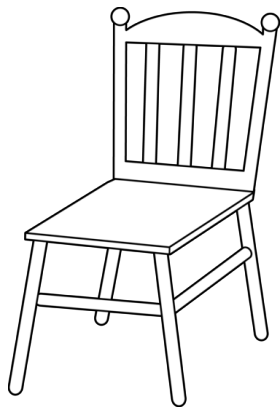
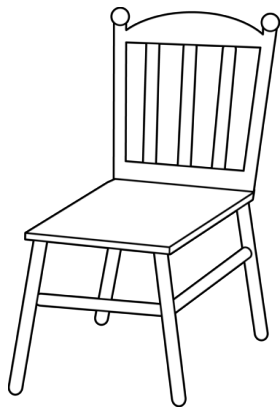
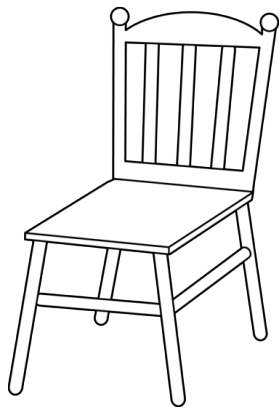
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- 2) retaining students of color**

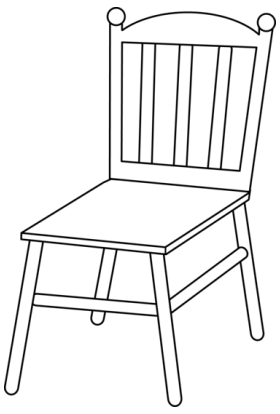
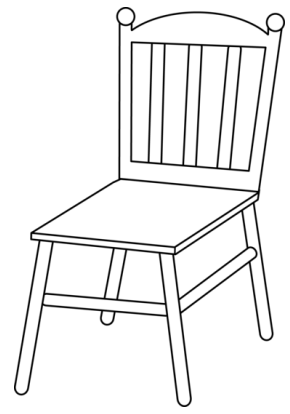


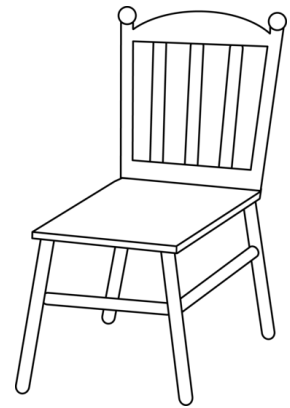


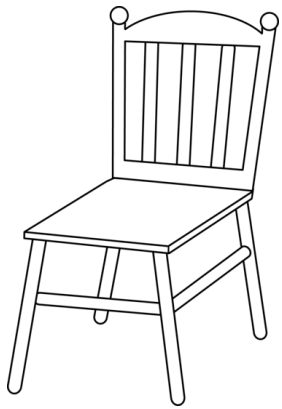












who should have a  
seat at the table?

# Thank you:

WomenNC - Dr. Riemann & Beth  
Amelia, Sara, Jada

# Thank you:

RTI Mentor Julia Brinton

# Thank you:

Teacher Dakota, Riley, Alex, Ford  
The Friday Institute

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