

# TREES

## AND THEIR

### *SUPERPOWERS*



# CARBON CAPTURE

- Plays a major role in the fight against **climate change**
- Starts with **photosynthesis**
- Forests are one of the largest land stores of carbon
- Wood products
  - Store carbon long-term
  - Require less energy to create
    - Results in fewer carbon dioxide emissions than steel or concrete



*Every year, world **forests** absorb 1/3 of the total carbon emissions from burning fossil fuels.*



## WHAT ARE WE DOING?

- **Afforestation**
  - Creates forests on land previously unforested
- **Reforestation**
  - Creates forests on land previously forested
- **Avoided Conversion**
  - Prevents conversion of forested land to non-forested land
- **Forest Management**
  - Increases or maintains amount of carbon stored in trees
  - Monitors greenhouse gas removal