

Teaching/Guiding Luke, Valentina, and Jake how to make a "Plant shelf"
"Jake is 1 on 1"

Days: Monday, Wednesday, Friday

Students will learn and understand how to Measure/ Cut/ Assemble/ Plan

Advanced credits I can earn:

- Instructional leadership
- Conflict Resolution
- Systems thinking

*When cutting wood we will do 1 on 1

Class 1: Look at design: Come up with plan

Class 2: Finish plan: Create list of materials

Class 3: How to Measure: 16th and the 32nds / Sides of the blade you use when cutting

Class 4: Cutting pieces for parts of the shelf and assemble

Lesson: Making a design / Plan for assembly

Students: Jake, Luke, and Valentina

Goals/(Objectives):

- Come up with a design
- Each kid draws what they want
- Pick a design
- Plan how we will assemble it

Materials Needed:

- Paper / Pencil
- Good head on the shoulder
- Glasko planet

Schedule/Plan: Monday - 1:45

1:45 - 2:00 = Introduction / Show exemplar pictures / Talk about them

2:00 - 2:30 = Pass paper out and start designing / Teaching how to use ruler for nice drawings

2:30 - 2:35 = Have a vote = Pick "1"

2:35 - 3:00 = Start talking about how we can build it

Lesson (Day 2): Going over final dimensions/ Start prototyping

Goals/(Objectives):

- We know what our dimensions will be
- Show them how to scale their design
- Have a plan for their own type of prototype
- Start prototyping

Materials needed:

- Wood/ Cardboard / paper
- Saw
- Connecting part (nails, glue, joints)

Schedule/Plan: Monday - 1:45

1:45- 2:00 - Going over dimensions

2:00- 2:20 - Planning for a prototype

2:20 - 3- Making prototypes

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Lesson: Finish up plan/Get list of materials

Goals/(objectives):

- Have finished design
- Finish plan
- Create list of materials

Materials needed:

- Paper / Pencil
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Schedule/Plan: Monday - 1:45

- 1:45 - 1:50 = "Introduction" on what we are doing
- 1:50 - 2:50 = Going over each element to the shelf and how we will assemble it
- 2:50 - 3 = Explaining what we are going to next class (Making material list/ Budget)

Lesson: Cutting pieces / Assemble

Goals/(Objectives):

- Cut pieces for one section of the “shelf”
- Hope to start assemble that section

Materials needed:

- Wood
- Saw
- Connecting part (nails, glue, joints)

Schedule/Plan: Monday - 1:45

- 1:45 - 1:50 = introduction
- 1:50 - 2:30 = Cutting pieces
- 2:30 - 3