

THIRDEYE SUIT PLANNING TEMPLATE

Part One: Needs Assessment

ThirdEye Agents: Use this form to plan super suits. Fill it out completely so your suit won't fail. - M]

Agent Names: Jometada 16-22

What environment is your suit for? Floodwater

What does your suit need to do for people to survive the environment?

- One condition of the environment is danger of drowning
so the suit needs to low density.

The **property** this relates to is:

(thermal protection) (strength) (flexibility) (density)

(usefulness as armor) (camouflage) (other: _____)

- One condition of the environment is wildlife / floating debris
so the suit needs to be protective.

The **property** this relates to is:

(thermal protection) (strength) (flexibility) (density)

(usefulness as armor) (camouflage) (other: _____)

- One condition of the environment is polluted water and coldwater
so the suit needs to waterproof with thermal protection

The **property** this relates to is:

(thermal protection) (strength) (flexibility) (density)

(usefulness as armor) (camouflage) (other: waterproof)

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What does your suit need to do for people to get food, shelter, and water? (Imagine your environment's resources. Be creative!)

- People in this environment will get food by scavenging
so the suit needs to be flexible, lightweight, and have some storage
- People in this environment will get water by polluted water
so the suit needs to contain a filtration system
- People in this environment will get shelter by hiding in destroyed buildings
so the suit needs to be durable, tear resistant, strong

What other features do you want your suit to have? Start by writing down your wildest ideas:

- self neutralizing
- non adhering (against chemicals)
- gecko inspired biomimicry climbing system
- shoot/spin web for protection, storage, food

As a team, narrow it down to the ideas most important to meet user needs:

- thermal
- water-proof
- strength
- armor
- flexibility

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Part Two: Materials Choice

ThirdEye Agents: Use this form to plan super suits. Fill it out completely so your suit won't fail. - MJ

Agent Names: Jometada 6-22

What environment is your suit for? Flood water

What properties are most important for your suit? (Look back at your needs assessment).

(thermal protection)

(strength)

(flexibility)

(density)

(usefulness as armor)

(camouflage)

(other: water proof)

What materials will you use for your suit? How much does each material cost? This should be a number from 1-10 from the materials table/toolbox. (You can layer materials. If you do, write the cost of both combined.)

Body (Arms/Legs/Chest/Back): nylon, dyneema Cost: 4

Joints (Elbows/Knees/Ankles): nylon, dyneema Cost: 4

Hands: nylon, dyneema, rubber Cost: 5

Feet: nylon, dyneema, rubber Cost: 5

Add up your total cost: 18

Max: 18
If your total is more,
you need to change
your materials.

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What are your suit's weaknesses? What will your user need to be careful about? (To find out, look at the materials you chose: what properties do they have low numbers for?)

· stay away from open flame

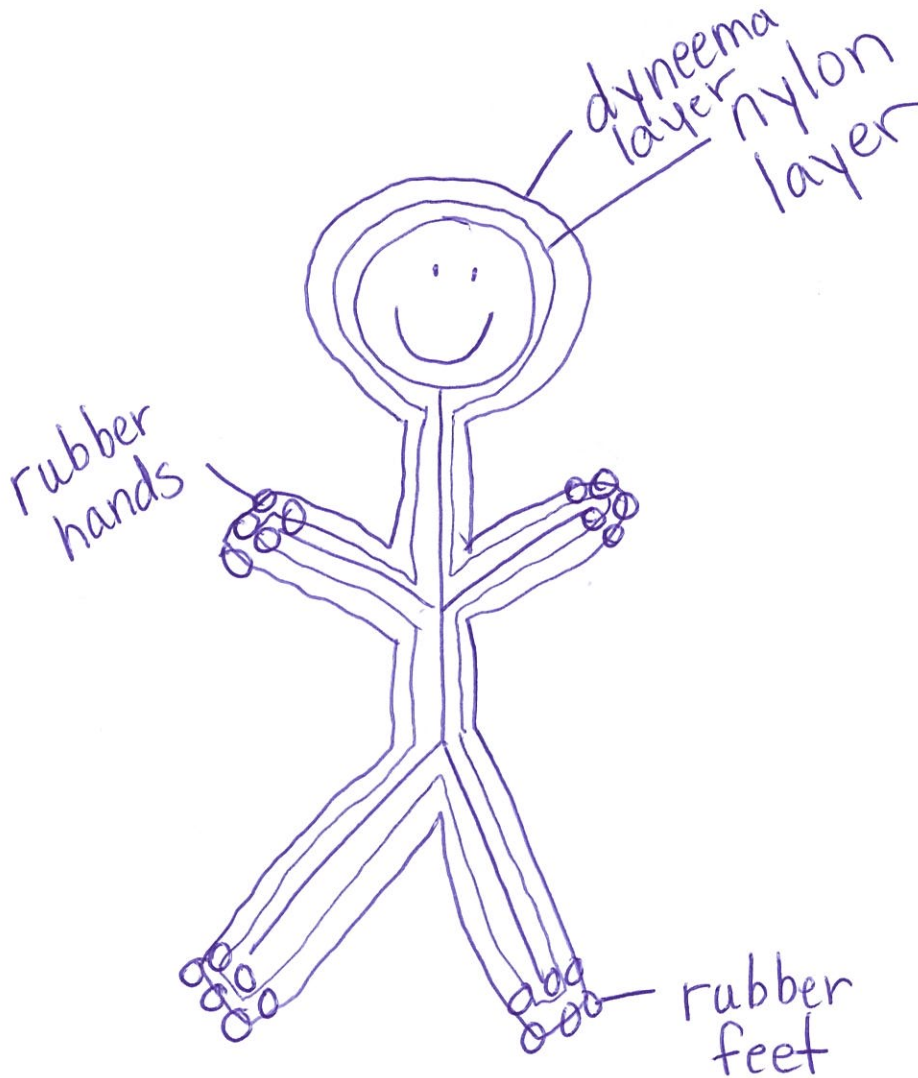
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Part Three: Rough Sketch

ThirdEye Agents: Use this form to plan super suits. Fill it out completely so your suit won't fail. - MJ

Agent Names: Jometada 6-22

Draw a rough sketch of your suit below. Label important parts.
This doesn't need to be fancy. You'll do a final drawing later.



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FINAL REPORT

Agent Names: Jometada 6-22

Suit Name: Dermara:

Designed for environment: Floodwater

Feedback from other agents was: concern about hands and feet

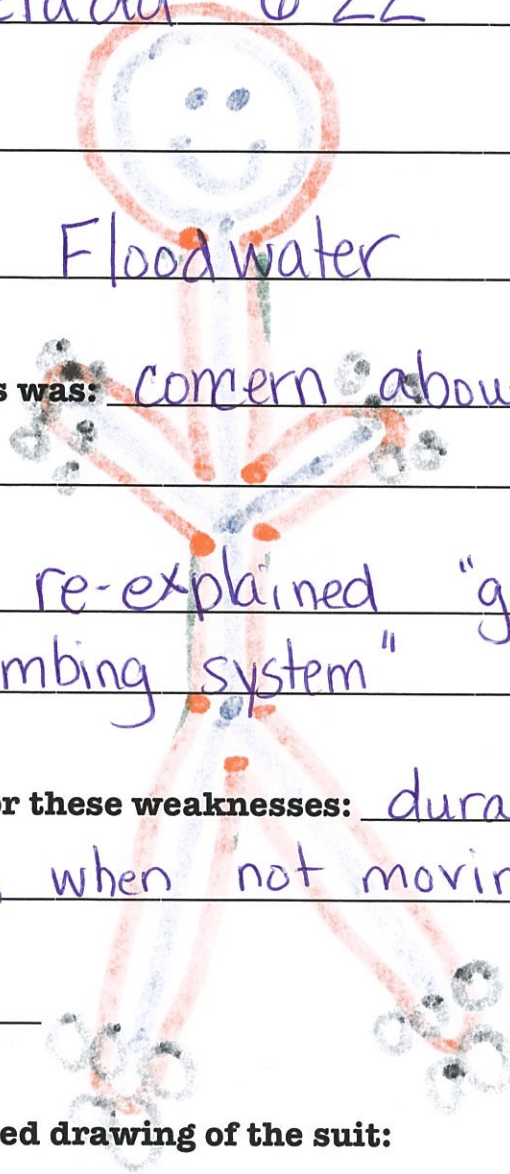
Improvements made were: re-explained "gecko inspired biomimicry climbing system"

Suit should still be tested for these weaknesses: durability, thermal protection when not moving

Total Cost: 18

On the back, provide a labeled drawing of the suit:

- Label all materials
- Label parts of the suit that meet needs based on the environment
 - *For example, "the joints are dyneema for flexibility - the jungle is difficult to travel in"*
- Make multiple drawings from multiple angles or include close-ups, if necessary

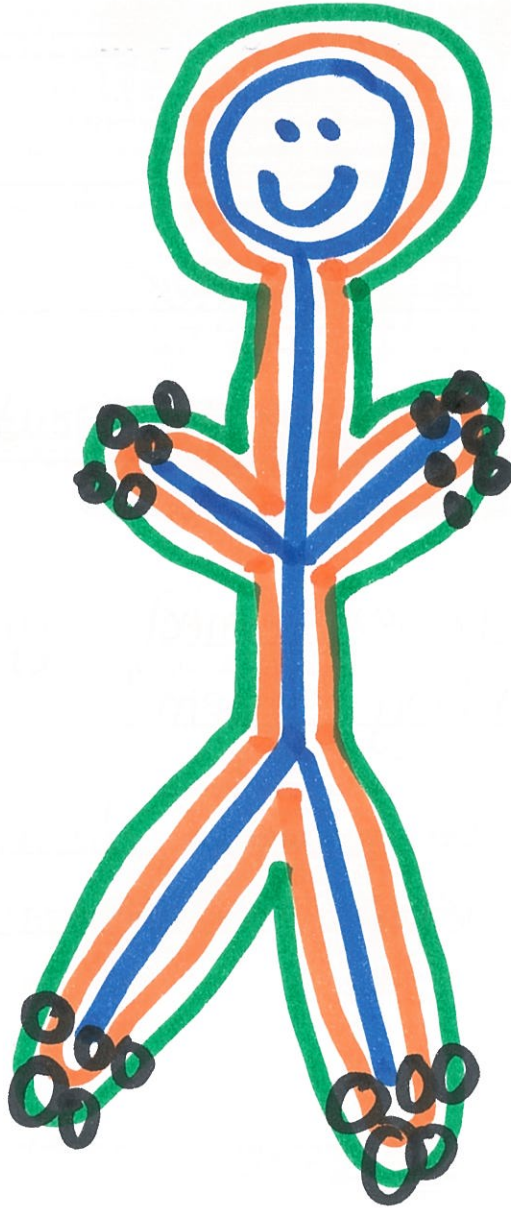


Handwritten notes in red ink, partially obscured by the drawing.

Handwritten notes in blue ink, including the phrase "gecko inspired biomimicry climbing system" and other illegible text.

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FINAL REPORT: LABELED DRAWING



O-rubber
"gecko inspired
biomimicry climbing
system"

orange -
nylon
green -
dyneema