

Name: _____

engage — the — range

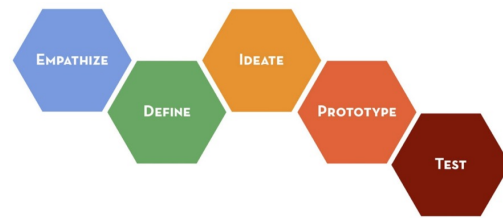
Experience the Range

STUDENT
EXPERIENCE
GUIDE



LEARNING GOAL

I can use my senses to identify common range issues while on the range.



Hasso Plattner Institute of Design at Stanford University's Design Thinking Process

After today's experience on the range, you will be identifying one rangeland issue that needs to be addressed. You will use the Design Thinking Process to problem solve and come up with a solution. Read the following for an outline of the five steps and how you will later implement each one in the next experience, Change the Range.

1. Empathize – Seek to Understand

- a. **Observe:** View ranchers/range managers in their daily lives and pay attention to their attitude, behaviors, and communication.
- b. **Engage:** Interact with the ranchers/range manager through conversations and questions
- c. **Immerse:** Experience what the rancher/range manager experiences in "Experience the Range" experience

2. Define – Consider and combine your empathy findings to determine a meaningful solution.

- a. Develop a deep understanding of user
- b. Come up with an actionable problem statement

3. Ideate – Generate numerous ideas based on your problem statement

- a. Create a large quality of ideas
- b. Create diversity among your ideas

4. Prototype – Create physical representations of your ideas

- a. Create a prototype (a first preliminary model of something; other words: model, mock-up, sample, example)
- b. Fail quickly by learning as you build, getting feedback as you test, solving disagreements with your team, and exploring edits as you go

5. Test – Get feedback on your solution

- a. Present your prototype to the rancher/range manager in a presentation
- b. Gather feedback to refine your solution, learn more about the rancher/range manager's thoughts on the solution, and rest your point of view on the problem/solution

*Today, you will be spending most of your time in the Empathize step. Highlight the action (Observe, Engage, Immerse) that you plan to focus on the most while on the range today.

Take note of your five senses and what you're hearing, seeing, touching, smelling, and tasting. Write down what you Notice and what you Wonder as you're experiencing this rangeland.

Consider what is successful and going well on this rangeland. Also consider what problems are present and what is causing these problems. Add all these notes to your charts. The more notes you add today, the easier the next steps will be.

EXAMPLE: SCHOOL LUNCH ROOM

NOTICE	WONDER
What stood out to you during the experience?	What are you still curious about?
<ul style="list-style-type: none">• Students eating inside and outside• Kids are loud and happy• Many students play on their phones• Some students read books at lunch• Most students are chatting with their friends	<ul style="list-style-type: none">• How many students buy school lunch?• How do they choose where to sit?• What do teachers do during lunch?

LIVESTOCK

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

PLANTS

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

SOIL

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

WILDLIFE

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

LANDSCAPE

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

RANGE ISSUES

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

HUMAN ISSUES

NOTICE

What stood out to you during the experience?

WONDER

What are you still curious about?

REFLECTION

Answer the questions below either on the ride back to school or as homework.

1. What were your big observations from the day?
2. What were you surprised by?
3. What was one range issue you saw today? Consider reviewing your Notice & Wonder charts on pages 4-11.
4. If you were the rancher what steps would you take today to alleviate some issues on the range? What barriers would be present if those solutions were used?