



The Backpack Challenge

Routine

UNDERSTAND

- Students will sketch and label their partner's backpack
- Students will interview a partner about their backpack
- Students will identify problems with the current backpack based on interview
- Students will identify needs and wants of partner based on interview

BRAINSTORM

- Students will brainstorm ideas on how to fix problems identified
- Students will sketch and label a redesigned backpack

CREATE

- Students will create a prototype of the redesigned backpack

IMPROVE

- Students will share redesigned backpack with partner and get feedback
- Students will reflect on what they would improve and sketch a new design

Sketch and label the current backpack

Tips for a Good Interview

- **Ask “why?” and “tell me more about that...”**
- Encourage your partner to tell stories. **“Tell me about a time when...”**
- Don't just listen to your partner describe his/her backpack, **ask to see it!**
- Be aware of body language and emotions.
- Don't suggest answers to your questions. **Let your interviewee talk!**
- Make sure you're prepared to capture. **Take detailed notes.**
- Don't be afraid to let the interview get off-topic. Tangents might help you learn valuable information about your partner.

Interview

<p>Questions for _____ (user)</p>	<p>What does _____ NEED? (user)</p>
<p>Notes from interview</p>	<p>What does _____ WANT? (user)</p>

Define the problem and BRAINSTORM!

<p>What are the problems with the current backpack?</p>	<p>BRAINSTORM ideas to fix the problems</p>
<p>What does the current backpack do well?</p>	

Sketch and label the redesigned backpack

Don't forget the problems with the current backpack and the user's wants and needs

Improve

<p>What did the user like?</p>	<p>What did the user not like?</p>
<p>What would you do to improve the design?</p>	<p>Quick sketch of redesign</p>