



to -80

to -60

ral Resources Conse w.wcc.nrcs.usda.go

to-40 to-20

Percent change

to 20

to 40

tion Service. 2022. Snow telemetry (SNOTEL) and snow course data and products.

to 60

60

to 80

> 80

WATER CONSERVATION DATA JAM 02 PAR

- PART 1 WHERE'S OUR WATER?
- 2. Provide evidence for your claim. What specific data from the graphs and/or maps do you observe that can support your claim?

3. Explain your reasoning.

Part Two -



Data Jam Project

WATER USE DATA FOR:

YEAR	POPULATION	DOMESTIC WATER USE (MGAL/DAY)	IRRIGATION WATER USE (MGAL/DAY)

HOW BIG IS A MEGA GALLON?				
Hypothesis: How many gallons can fit inside the classroom?				
1 mete	r ³ = 1000 liters	1 liter = 0.264 gallons		
Classroom Length:	Classroom Width:	Classroom Height:		
Classroom Volume = Length	_ x x Width He	eight		
Classroom Volume:	m ³ x 1000 l/m ³ x 0.264	gal/l = gal		
gal ÷ 1,000,000 ga	l/Mgal = Mg	gal fit inside this classroom		

WATER CONSERVATION DATA JAM

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WATER CONSERVATION DATA JAM

PART	2	- DATA	JAM	PROJECT
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ACTION PROJECT
Stage 1 - Identify the Problem and Constraints
1. What problem are we trying to solve?
2 What constraints do we need to keep in mind?
Stage 2 - Brainstorm and Select the Best Solution
3. What are some projects we could do to help solve the problem?
• 4 After discussion and careful consideration of the project constraints here is our best solution idea. This is
what we will do for our project:

05

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WATER CONSERVATION DATA JAM

Stage 3 - Plan the Prototype Project

5. Fill in the project planning table with the tasks needed to complete your project, the team member responsible, and the deadline.

06

TASKS	WHO WILL BE IN CHARGE OF THIS TASK?	

*use an additional piece of paper if there are more than 8 steps in your project plan.

Stage 4 - Execute the Project

Carry out your project plan. When completing your project, you will likely run into obstacles and setbacks. Be sure to return to your project plan (Stage 3) and alter it as issues arise, including adjusting deadlines.

Communicate as a team. Check-in often as a group so team members can report on their tasks and everybody can remain on the same page.

Stage 5 - Evaluate Progress and Identify Ways to Improve the Project

6. Which parts of your project are going well?

		WATER CONSERVATION DATA JA	ам 07	/ _	PART 2 - DATA JAM PROJECT	
••			• • • • • • •	• • •		• • • • • • •
7.	Which parts of project?	your project are not going we	ell? What c	can y	ou do to change these parts before the e	nd of the
8.	At the end of y	our project, evaluate your act	ion projec	:t.		
	a Did your pr	piect help solve the problem w	ou wrote ir	n #1?	Provide evidence for your answer	
	b. What would	you do differently if you were	starting or	n this	project again?	