Name:	Period:	Date:
Lesson 2: What can we find out about greenhouse gas emissions resulting from waste in our school food system?		
<b>Initial Model:</b> In the space below draw an initial model of our school food system and where you think waste may occur. Include as much detail as you can think of.		

## **Using Mathematics and Computational Thinking** About how many pounds of food do you think was wasted at school this morning (for breakfast?) What data would you need to know to answer this question? How could you get that information? A. Estimated amount of food wasted at breakfast (in pounds) B. Estimated amount of food wasted at breakfast (in kilograms) C. Amount of CO2 emissions (use greenhouse gas calculator) D. Estimated amount of food wasted at lunch (in pounds) \_\_\_\_\_ E. Estimated amount of food wasted at lunch (in kilograms) \_\_\_\_\_ F. Amount of CO2 emissions (use greenhouse gas calculator) G. Estimated amount of food wasted as snacks throughout the day (in pounds) H. Estimated amount of food wasted as snacks throughout the day (in kilograms) I. Amount of CO2 emissions (use greenhouse gas calculator) \_\_\_\_\_

Total amount of CO2 emissions from one day of school (C + F + I =):

How much would Greenhouse Gas emissions be reduced if we cut food waste in our school?
What would that mean if reducing food waste was scaled up to the whole Colorado school system? For the entire US school system?
Are we confident in our estimations? How could we know for sure how much food is wasted? How should we study our school food system to know what should be changed to reduce food waste?
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