Daily Lesson Plans for Reasoning Mini-Unit

Wed-Thurs, August 17-18, 2016

Objective: I can compare/contrast/sort arguments and describe the type of reasoning used, justifying group decisions.

* Housekeeping: things about Ms. Bogart’s class; join Remind, Go to website; Fill in Google Form for Student data/interview
* Supplies, homework, notebook, backpacks, put up phone
* Investigation 1.1 – reasoning activity and group analysis
* Class sharing on Smartboard, sorting and justifying.
* Class discussion.
* Notebuilding activity – types of reasoning in two columns; glue in examples.
* No homework.

Monday, August 22, 2016

Objective: I can determine what type of reasoning has been used in an argument. I can give the conjecture and a counterexample for an inductive argument. I can apply inductive reasoning to extend a pattern.

* Get out notes, finish them.
* For Arguments 2,3,5,8 and 9, give a conjecture and a counterexample (write down)
* How should my notebook look?
* Re-cap: two different kinds of reasoning.
* Practice applying inductive reasoning: find the next two in the pattern, and say how you did it.
* Define conditional and converse statements. Write up examples.
* Practice finding the converse of a statement.
* Is the converse always a valid argument.
* Cool Down: 6 stories: is the argument deductive or inductive; how do you know?
* Collect index cards; pass out homework #1.
* Instructions for HW #1. Due at the beginning of the next class.

Wednesday, August 24, 2016

Objective: I can use inductive reasoning to write a rule.

* Warm-up: small version of Monday’s formative assessment. Re-do. Paste into notebook. Now write conjecture and counterexample for each.
* Take a grade on HW #1 – 4 pts
* Answers to HW. Questions.
* Investigation 2.3 – finding a function rule for a linear sequence (using inductive reasoning).
* Discuss and take notes: What is the connection? The common difference is the slope of the rule. Try these 3.
* HW #2 – handout of p 109:1-6. Copy tables into notebook. No need to copy sketches.

Quiz Friday – 25 pts. Study notes and both homeworks.

Friday, August 26, 2016

Objective: I can demonstrate mastery over inductive/deductive reasoning and finding patterns with inductive reasoning.

* Take a grade on HW #2 – 4 pts
* How to highlight.
* Share answers to HW around the room. Questions? How to find “b”.
* Preview- next unit, words, precision
* Trash-ket-ball review
* Quiz: Inductive/Deductive – 20 pts

NO HOMEWORK