**Timeline for Chapter 2 Project – Truth in Advertising:**

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| **Day** | **Class Work** |
| Pre D1*Friday* | Videos on Inductive Reasoning (2-1), Conditional Statements (2-3)Focus Questions (Guideline 8): 1. What is a conditional statement? What is an example?
2. What is the converse of a statement? What is an example?
3. What is the inverse of a statement? What is an example?
4. What is the contrapositive of a statement? What is an example?
5. Which pairs of statements always have the same truth value?
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| Day 1*Monday* | Opener: Make flip book of statements with p and q and the truth valuesIn Class:Watch and ID “If-then” form - Advertisements on TVSupply Students with handoutsGo over Project* What will be assessed on
* Find advertisement to analyze (Guideline 1)
* Ideas for advertisement – brainstorm with table groups
* Turn in what you would like to advertise and give in as an **exit ticket** your topic
* Determine conditional statement for advertisement \*\*Bonus point if statements are on exit ticket\*\*(Guideline 2)
* Determine converse, inverse, and contrapositive of the conditional statement (Guideline 3)

Homework: Project: Finalize statements and add biconditional statementVideos: Biconditional (2-3), Venn Diagrams (2-2), Counterexample (2-1) Focus Questions (Guideline 8): 1. What is a biconditional statement? What is an example?
2. What is a venn diagram? How would this be useful for a logic problem?
3. What is a truth table? How would you use a truth table?
4. What is a counterexample? What is an example?
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| Day 2*Tuesday* | Opener: Add biconditional statement to flip-book. Truth table activityIn Class:* Review statements with table group
* Create truth table for each of your four statements with a counterexample for each statement (Guideline 4)

Homework: Project: Finalize truth table and statementsVideo: Deductive Reasoning (2-4)Focus Questions (Guideline 8): 1. What is the difference between deductive and inductive reasoning? (Include definitions)
2. What is the Law of Detachment?
3. What is the Law of Syllogism?
4. What is the Reflexive property of congruence?
5. What is the Symmetric property of congruence?
6. What is the Transitive property of congruence?
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| Day 3*Wednesday* | Opener: Create reference flip book to use for all laws, properties, theorems we will learn in Geometry. Today, add the laws and properties from last night video notes. In Class:Create proposal for new marketing message (Guideline 5)* An illustration (either new or taken from original ad with credit to provider)
* A new, appropriate marketing message, and
* A summary that includes the factors that influenced your message.

Homework: Project: Putting message into advertisement formVideo: 2-5. Algebraic Proof (2-5, 2-6), Geometric Proof Video Examples #1-3 (2-7)Focus Questions (Guideline 8):1. How do you set up a 2 Column proof?
2. What is an example of an algebraic proof?
3. What is an angle relationships proof example?
4. What is a segment relationships proof example?
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| Day 4*Thursday* | Opener: 2 Column Proofs with angles/segment congruence (half of class will do a proof with angles, the other half will do a proof with segments)In Class:* Finish up Guidelines of project and organize in order based on Guidelines sheet with Guidelines sheet as cover page (Guideline 6)
* Write reflection on project using guidelines provided (Guideline 7)
* ***Turn in Project at end of class for an extra 10% increase***

Homework: Project: Finalize advertisement, have clean copy ready for turn inVideo: 2-6 Geometric Proof (2-7 and 2-8)Focus Questions (Guideline 8):1. What is the Linear pair theorem?
2. What is the congruent supplementary theorem?
3. What is the right angle congruence theorem?
4. What is the congruent complements theorem?
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| Day 5*Friday* | Opener: Add new theorems to reference flip book.Paragraph Proof of angle congruence and segment relationships using 2 column table (switch halves of classesIn Class:* Review Worksheet covering sections 2-6, 2-7, and 2-8 (Guideline 9) \*\*Note: this worksheet will also count as a quiz grade\*\*
* Students complete proposals and review proposals created by other students

Homework: Project: Finish project and be ready to present project on Monday |
| Day 6*Monday* | Students present proposals to classIntroduction to Chapter 3 |