

# Flocking.html Flock of Birds video - Part 1

cc1 \_\_\_\_\_ and \_\_\_\_\_

cc2 \_\_\_\_\_

cc3 \_\_\_\_\_

cc4 What problem did he demonstrate ...

SHORT ANSWER

question — NOT fill in the blank

cc5 Multiple choice (one best answer)

a or b or c

cc6 "..." keyframes to \_\_\_\_\_  
keyframes."

"... to \_\_\_\_\_ and \_\_\_\_\_  
of the ..."

11 Fill in the blanks,  
1 short answer and  
1 multiple choice

cc1 to cc6  
Creative  
Com  
video  
questions

# Video: Creating a Flock of Birds - Part 2

CC7 \_\_\_\_\_

CC8 up to \_\_\_\_\_

CC9 \_\_\_\_\_ off its

CC10 is a \_\_\_\_\_ of wiggle

CC11 and our 2nd number  
is the \_\_\_\_\_ of wiggle.

- 5 Fill in the Gaps —  
Creative Cow video — CC7 to CC11

NL = NetLogo

NL1: (i) \_\_\_\_\_ and (ii) \_\_\_\_\_ and (iii) \_\_\_\_\_

NL2: Term i

Term ii

Term iii

Use a dictionary —  
define each  
term —  
also show  
derivation for  
each term.

# Ghostbusters and waggle dancing bees

GB(i) Venkman — short answer/discuss

GB(ii) Stantz — " " / "

GB(iii) Egon Spengler — " " / "

GB(iv) 3Ds of the bees — fill in blanks

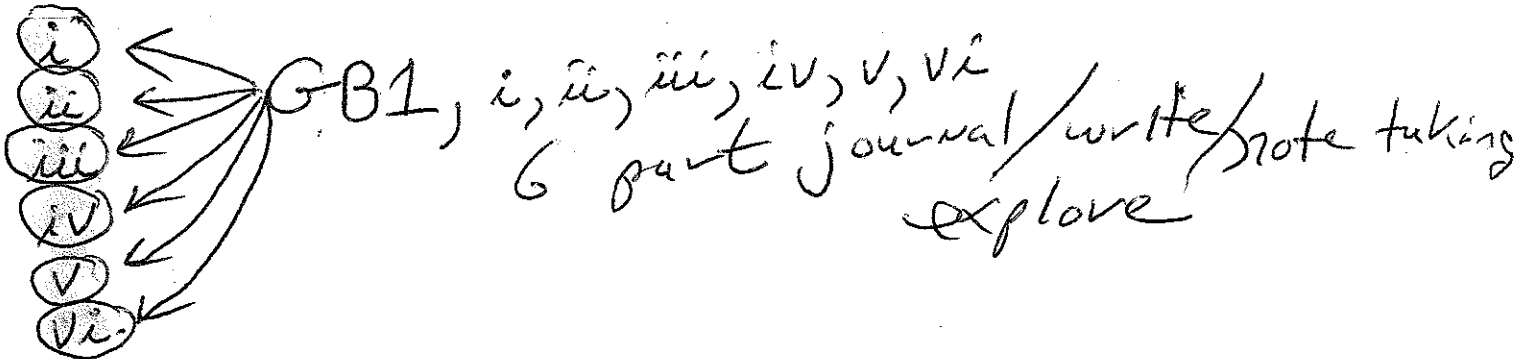
D and P and D

- i. Our goal — "determine the problem's objective"
- ii. "study the situation" Look up the dictionary definition of the word "situation"
- iii. "identify the problem precisely"
- iv. "understand its fundamental questions clearly"
- v. "clear, precise problem identification"
- vi. "translate the problem into" ... and then be ready for STEP 2 Formulate the Model, which here is anticipated as the GOAL, to "develop and solve the model".

GB1 - Take home test question is writing and exploring task. Journal, note take, write and clarify. Make a connection to ghost.txt and/or waggle.txt.

Turn in a few ideas or notes which can be diagrams, quotes from ghost.txt or waggle.txt, your comments, reactions, analogies, your own favorite movie or book or poetry or sports parallel, to each of the above phrases. Each one will have a few sentences and/or diagrams that relates to it and show me you thought about it. Call this six part question and journal/writing/note-taking exercise GB 1, as in Ghostbuster #1 question on the take-home test.

GB1  
6 parts



GB2 – Take home Ghostbusters GB question #2. **Step 2: Formulate a Model** from the Shiflet book and Steps of the Modeling Process module. Explain in notes and in reference to ideas from waggle.txt (waggle dancing bees and Ghostbusters) and ghost.txt (Ghostbusters and problem solving) that you see a possible connection to Dr. Raymond Stantz and the Develop a PLAN, i.e. focus on the HOW, develop; the PLAN, i.e. ALGORITHM, the recipe. This should be only a paragraph or a few paragraphs.

GB2  
Short essay  
1/2 page

### GB3 – Step 3: Solve the model.

The 2<sup>nd</sup> sentence here is key. In light of the ghost.txt Ghostbuster's readings and in light of the waggle.txt Waggle Dancing bees readings, please explain WHY – "It is important not to JUMP to this step before THOROUGHLY UNDERSTANDING the PROBLEM (step #1) and DESIGNING THE MODEL (step #2). Dr. Egon Spengler represents this

GB3 please explain WHY –  
"It is important NOT to  
JUMP to ..."  
DISCUSS / EXPLAIN / wrap about it

DC

Using the book, your notes, and the above Group 1, Group 2, and Group 3 summaries and sets of ideas - discuss what you have learned about the concept of Decentralization. Feel free to free-write and/or ink shed about it first. You might surprise yourself and discover some angles you never would have dreamed you would uncover. Or ink shed and free write about it afterwards, when you have written your one page of thoughts already. With the concepts fresh in mind, free writing lots of words really fast might uncover a gem of an insight or phrasing you did not anticipate.

Please turn about one page of your thoughts, insights, confusions, and/or connections (to your major, hobbies, interests, career goals, citizenship, current events) with the Resnick Turtles, Termites and Traffic jams focus on this agent based modeling (NetLogo was our software vehicle) concept he stresses.

DC = Decentralized thinking  
question = one page of ...