Making Complex Writing Intelligible with the Known-New Contract

A sentence can be divided into two parts: a **topic** and a **stress** position. The topic is first part of the sentence, the stress is last.

Below is an example sentence with the topic and stress positions labeled.

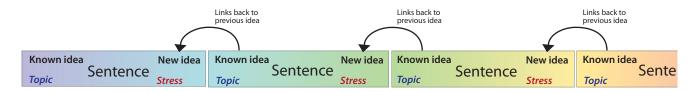
Accounts of depression evolved after psychologists introduced the concepts of defeat and entrapment.

Readers expect to find different types of information in the topic and stress positions.

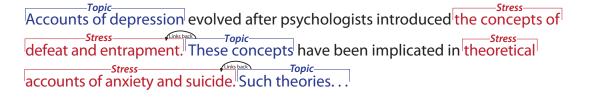
| Topic | Stress |
|---|---|
| In the topic position, readers | In the stress position, readers |
| expect to understand what the sentence is about | expect to see new and important ideas and information |
| • try to connect the sentence to what they've already read | focus most of their interpretative effort |
| | |

The Known-New Contract

The known-new contract suggests that comprehension is increased when the topic position of a sentence contains information that links back to what the reader already knows and the stress position contains new information that the writer wants to emphasize.



Notice how the following example uses the known-new contract to create a coherent flow of ideas.



What if I have multiple ideas I want to stress in a sentence?

Try to introduce just one major new idea per sentence, especially if you anticipate your reader will have difficulty because of your text's complexity. If your text is highly technical or complex—and you have multiple ideas or concepts worth emphasizing—create two sentences.

Three Steps for Editing and Improving Complex Writing

- 1) Identify stress positions
 - Is this new information?
 - Is this the most important info to emphasize?
- 2) Identify topic positions
 - Is this old information that links back?
- 3) Rearrange to put old info in the topic position and new, important info in the stress position

Let's try using these steps to improve our sample text.

Step 1- Identify stress position

People are injuring themselves at home, work and out in public from slipping and falling. The material of the shoe sole, the material of the floor surface that the individual is walking across, and a contaminant, like water or oil, that may decrease friction between the two materials all contribute to slipping.

Step 2- Identify topic position

topic position does not link back People are injuring themselves at home, work and out in public from slipping and falling.

The material of the shoe sole, the material of the floor surface that the individual is walking across, and a contaminant, like water or oil, that may decrease friction between the two materials all contribute to slipping.

Step 3- Put old information in the topic position and new information in the stress position

People are injuring themselves at home, work and out in public from slipping and falling.

Factors contributing to slipping include the material of the shoe sole, the material of the floor surface that the individual is walking across, and a contaminant, like water or oil.

Let's look at another example, using these three steps to revise the text.

Step 1- Identify stress position

The 5-year plan does not indicate a clearly defined commitment to long-range environmental research. For instance, the development of techniques rather than the identification and definition of important long-range issues is the subject of the plan where it does address long-range research.

Step 2- Identify topic position

The 5-year plan does not indicate a clearly defined commitment to long-range environmental research. For instance, the development of techniques rather than the identification and definition of important long-range issues is the subject of the plan where it does address long-range research.

Step 3- Put old information in the topic position and new information in the stress position

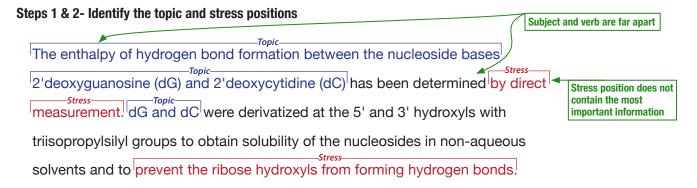
The 5-year plan does not indicate a clearly defined commitment to long-range environmental research. Where the plan does address long-range research, it focuses on the development of techniques rather than the identification and definition of important long-range issues.

Additional Steps to Edit and Improve Complex Writing

- 4) Move the subject and verb closer together
- 5) Break apart sentences that contain too much new information. Remember to use the known-new contract while revising your sentence
- 6) Add transitional phrases to indicate relationships

| Phrases indicating accumulation | Phrases indicating sequence | Phrases indicating cause/effect | Phrases indicating example | Phrases indicating contrast |
|---------------------------------|--------------------------------|------------------------------------|-------------------------------|-----------------------------|
| Moreover | First, Second | Consequently | For example | However |
| In addition | Next | Therefore | For instance | Although |
| Also | After | Because | | |
| Furthermore | Finally | | | |

Let's look at an example using all these steps to edit complex writing.



Step 3 & 4-Put most important information into the stress position and put verb and subject close together Subject and verb are We directly measured the enthalpy of hydrogen bond formation between the nucleoside now close together bases 2'deoxyguanosine (dG) and 2'deoxycytidine (dC). dG and dC were derivatized at the important information 5' and 3' hydroxyls with triisopropylsilyl groups to obtain solubility of the nucleosides in

non-aqueous solvents and to prevent the ribose hydroxyls from forming hydrogen bonds.

Step 5- Break lengthy sentences into two sentences

Stress position contains the most

> We directly measured the enthalpy of hydrogen bond formation between the nucleoside bases 2'deoxyguanosine (dG) and 2'deoxycytidine (dC). dG and dC were derivatized at The second sentence has been broken into the 5' and 3' hydroxyls with triisopropylsilyl groups. These groups allowed us to obtain two sentences solubility of the nucleosides in non-aqueous solvents and to prevent the ribose hydroxyls from forming hydrogen bonds.

Step 5 & 6- Break sentences into two and add transitional phrase to show relationship

We directly measured the enthalpy of hydrogen bond formation between the nucleoside bases 2'deoxyguanosine (dG) and 2'deoxycytidine (dC). dG and dC were derivatized at The third sentence has been the 5' and 3' hydroxyls with triisopropylsilyl groups. These groups allowed us to obtain solubility of the nucleosides in non-aqueous solvents. In addition, this process prevented the ribose hydroxyls from forming hydrogen bonds. the last sentence to show relationships.