



## Scientific Communication: Literacy Tasks and Executive Functions in Research

### Reading External Sources

Ex. Project goals, resource search, resource selection

### Planning Writing

Ex. Goal-setting, generating ideas, structuring ideas/argument

### Text Production

Ex. Writing out ("translating") ideas, arranging the ideas

### Text Reprocessing

Ex. Evaluating quality and logic, revising ideas & organization where needed

### Monitoring ourselves/the process:

- Self-instruction ("I should write about x next and include y")
- Meta-comments ("The details in this paragraph support the overall idea but it doesn't sound authoritative enough yet")
- Pausing (We have to pause frequently to enable this checking, evaluating, redirection)

*Source: Van den Bergh, Riujaarsdam, van Steendam, 2016.  
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