

Genre recognition and production: a comparative study of L1 and ESOL speakers

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Key questions

- 1) What does a genre diagnostic test tell us about our 1st year students' writing abilities?
- 2) What are the differences in results (if any) between L1 and ESOL speakers?

Background:

- 1. Diagnostic test
- 2. Our students



Results:

- 1. Recognition
- 2. Production
- 3. Examples



Discussion / conclusion

- 1. Student strategies
- 2. Theory
- 3. Final thoughts

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Background 1. Diagnostic test

- Artemeva & Fox (2010) study replicated
- Setting:
 - First year composition
 - Canadian Engineering students
 - Exploring student prior genre knowledge
- Test:
 - 5 example texts different genres
 - Students identify and justify
 - Students reproduce a technical report based on material

Background:
1. Diagnostic test
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Results:

Recognition
 Production

Examples

Dis

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Background 1. Diagnostic test

Artemeva & Fox (p. 479):

"When students initially engage in the discourse of a new discipline, their antecedent genre knowledge may or may not be relevant, and **if they can draw on it, then it may ease their transition to the new discipline** and further motivate them. On the other hand, if such knowledge hinders their transition to and engagement with the new discipline, it may undermine their confidence and cause them to devalue and marginalize their prior knowledge." (our bold type)

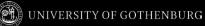
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Background 1. Diagnostic test

Genre Diagnostic Texts

Text A

Renewables? Not quite Renewable energy might not be as 'renewable' as it first appears, according to experts.

Speaking at the Financial Times Energy Conference in February, and reported in New Scientist magazine, Supratik Guha, a senior semiconductor scientist at IBM, warned that the metals needed to make solar panels more efficient were extremely rare.

One of these metals, indium, is present at concentrations of only 0.25 parts per million in the Earth's crust, and demand for the element has pushed prices to \$1,000 per kilogram.

Speaking at the same event, Paul Adcock, director of research and technology at UK fuel-cell manufacturers Intelligent Energy, warned of the future challenges posed by fuel cells' reliance on platinum - a metal that is even less abundant than indium.

But there are signs that engineers are beginning to think laterally about the use of renewable technologies.

Part A, Identification/Motivation

Text A

| Source type: Why? | |
|----------------------|--|
| Why? | |
| | |
| | |
| | |
| | |
| | |
| | |

Text B

| Source type: | |
|--------------|--|
| Why? | |
| | |
| | |

Background 2. Our students

| | Elec eng | Chem eng | Informatics |
|------------------------|--------------------------------|--------------------------|-----------------------------------|
| No. of students | 62 | 14 | 36 |
| No. of female sts | 10% | 50% | 42% |
| High school background | 84% technology / science | 71% technology / science | 44% social science Rest v. varied |
| Straight to uni? | 82% | 64% | 50% |
| Language used | English | Swedish | Swedish |

Background:

Diagnostic test
 Our students



Results: 1. Recognition 2. Production

Examples



- 1. Student strategies
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Results 1. Recognition

- Not given genres beforehand
- Few issues with recognition and justification on the whole
- Sometimes a tendency to overgeneralize e.g. "elementary school text" "informative text" "argumentative text" "fact text" "article" "essay"
 - unawareness of genre types
 - teachers' /non-/use of 'proper' labels (cf. Nesi & Gardner 2012:59)

2. Our students

Results:



Production



Discussion / conclusion

- 1. Student strategies
- 2. Theory

3. Final thoughts



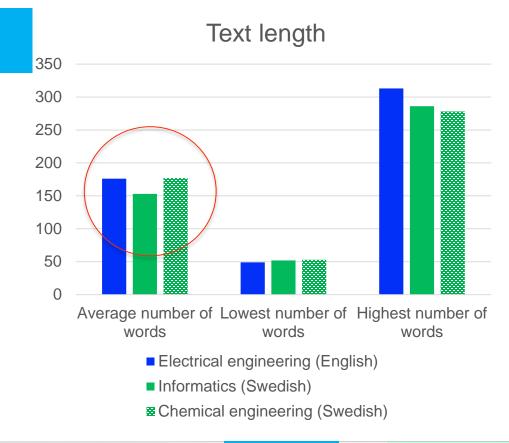
Results 2. Production

Expectation: Swedish texts would be longer

Outcome: English texts slightly longer

Hypothesis: Swedish use of compound

words could explain difference



Background:







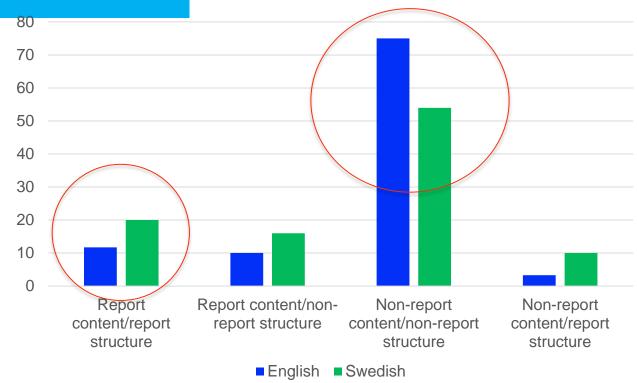
Discussion / conclusion 1. Student strategies

2. Theory 3. Final thoughts

Results 2. Production

Content and structure

High concentration of non-report content & structure across both languages





Examples



- 1. Student strategies 2. Theory
- 3. Final thoughts

Results 2. Production

Technical report

- Narrowly defined
- Purpose driven
- Logical presentation of information
- Reader awareness
- Appropriate use of technical vocabulary (+ definitions / explanations)
- Reader cues e.g. headings / paragraphing / bulleted lists

(Artemeva and Fox, 2010, 494)

Background:
1. Diagnostic test
2. Our students





Examples

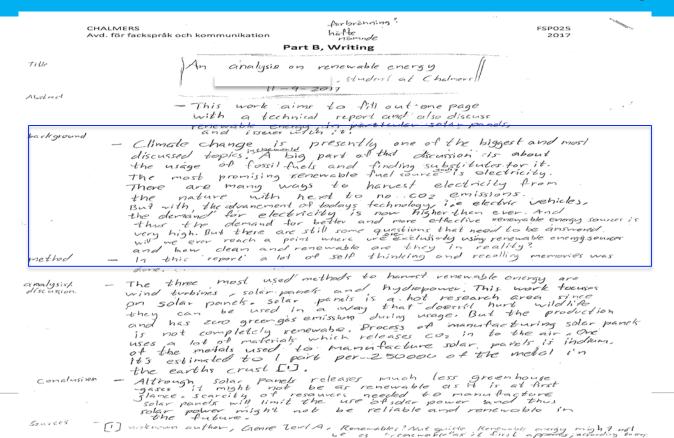


Discussion / conclusion

1. Student strategies

- 2. Theory
- 3. Final thoughts

Results 3.Example (report content / report structure)





Results 3.Example (report content / report structure)

Background:

Climate change is presently one of the biggest and most discussed topics in the world. A big part of that discussion is about the usage of fossil fuels and finding substitutes for it. The most promising renewable fuel source today is electricity. There are many ways to harvest electricity from the nature with next to no CO2 emissions. But with the advancment of todays technology, i.e. electric vehicles, the demand for electricity is now higher than ever. And thus the demand for better and more effective renewable energy sources is very high. But there are still some questions that need to be answered, will we ever reach a point where we are exclusively using renewable energy sources and how clean and renewable are they in reality?

Method:

In this report a lot of self thinking and recalling memories was done.

Title

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Results 3.Example (non-report / non-report)

Sustainability. That is the key to a better future. We can't continue throwing away tens of waste that's destroying our planet. That is why we need to stop what we are doing and start using renewable energy.

There are already some companies that are striving toward a more sustainable future. Stora Enso, for example, are using wood-based products that are renewable. Their products can be recycled several times and then, in the end, help to make bioenergy.

Of course there are some problems with some renewable sources. Some materials we need, to make our technology better, are rare and hard to get. This also means that it will be very expensive. Indium, for example, can cost up to \$1000 per kilogram.

Luckily for us, there is other options. Green Ocean energy has developed a wave-energy device the makes wind turbines more efficent.

Renewable energy is a must. And with hard work we can help this world.

Background:
6/12/201: 1. Diagnostic test

2. Our students

Results:

I. Recognition

2. Production

Evamples



Discussion / conclusion

1. Student strategies

2. Theory

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Part B. Writing

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Results 3.Example (non-report / non-report)

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Dramatic, emotional language

Personal pronouns

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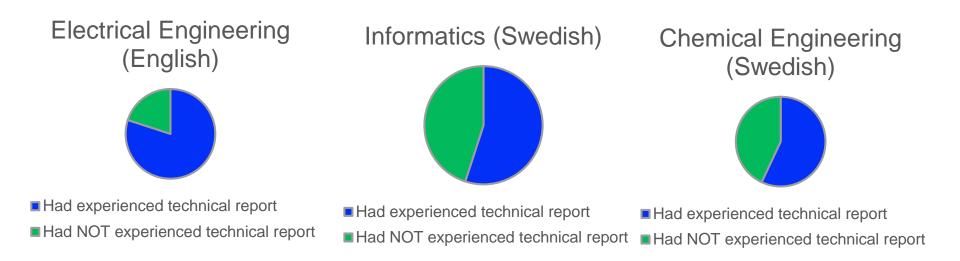


- 1. Student strategies
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Discussion 1. Student strategies

Electrical engineering:

wrote as they had done in upper secondary





Discussion 1. Student strategies

Used structure
I had used
before; more
like a scientific
report with
headings, table
of contents

Used the text that I thought was a technical report as a model

Tried to structure the text so that the reader can read easily

I had forgotten what a report should look like exactly, so I wrote as formally as possible and included a title. I had learnt a template but it didn't work when I had to use facts from different texts

A technical report should include technical concepts

Discussion 2. Theory

- Similar results as Artemeva & Fox study (recognition / production)
- Students use prior knowledge in various ways; some break down prior knowledge into useful strategies and repurpose it, while others use the same strategies/known genres regardless of tasks (Reiff & Bawarshi (2011)
- Writers of L1 and L2 use similar writing strategies (Dalton-Puffer et al, 2010; Apelgren & Holmberg, 2018)

Background:
1. Diagnostic test
2. Our students



Results:
1. Recognition

Examples

Production Production

Discussion / conclusion
1. Student strategies

2. Theory

3. Final thoughts

Discussion 3. Final thoughts

- 1) What does a genre diagnostic test tell us about our 1st year students' writing abilities?
 - √ recognize

- ? produce
- 2) What are the differences in results (if any) between L1 and ESOL speakers?
 - Similar results for L1 and ESOL (both recognition / production)

Background:

Diagnostic test
 Our students

-

Results:

- 1. Recognition
- Production
 Examples

Discussion / conclusion

- Student strategies
- 2. Theory
- 3. Final thoughts

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References

- Apelgren, B.-M. & Holmberg, P. (2018). *På spaning efter progression En studie av textstruktur i gymnasieelevers uppsatser på svenska och engelska.* Stockholm: Skolverket.
- Artemeva, N. and Fox, J. (2010). Awareness Versus Production: Probing Students' Antecedent Genre Knowledge. *Journal of Business and Technical Communication* 24(4), 476-515. DOI: 10.1177/1050651910371302.
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