

Phases of Scientific Work

Preparation for
ESPS Project
HTW Dresden

Producing a Scientific Paper

Phase 1	Phase 2	Phase 3
Preparation/ Research work	Processing Information	Production Writing/ presenting findings

Phase 1:

Preparation/ Research

☐ Situation

- check task, time, difficulties, equipment, partners

☐ Topic

- define your topic
- What is new?
- Why is it relevant?

☐ Resources

- find, record, analyse and assess resources

☐ Research Questions

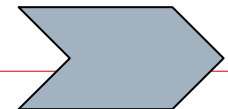
- formulate research questions

☐ Research

- use different research methods, e.g.

Reading

- ☐ use various reading strategies to access information effectively ...



Reading Strategies

Surveying evaluate the usefulness of the text for your specific purpose	Skimming identify main structure of the text distinguish relevant from irrelevant information
Searching locate a specific piece of information in an adequate time	Exploring get detailed information about the topic match main points and details

Phase 2:

Processing Information

- ❑ process/digest information actively (marking, note taking, mind mapping)
- ❑ determine relevant/ new information
- ❑ structure information logically
- ❑ expand information (based on experience, test findings etc.) into an outline
- ❑ develop a critical view on the topic/text

Phase 3:

Production (Writing/Presenting)

☐ Form

- Text level
 - ☐ stick to criteria of text production for required text type
- Sentence level
 - ☐ use specific terms and collocations adequately
 - ☐ use general language linguistically correctly

☐ Content

- base your text on research topic, research questions and findings