# GAC033 Project Based Learning and Research Methods

GAC Study and Communication Skills · Vocabulary in context

| Word | Example |
|---|---|
| **research proposal** /rɪˈsɜːtʃ prəˈpəʊzl/ | Your **research proposal** explains what you will study and how. |
| **driving question** /ˈdraɪvɪŋ ˈkwestʃn/ | The **driving question** for our project is “How can we reduce waste at school?” |
| **research question** /rɪˈsɜːtʃ ˈkwestʃn/ | A good **research question** names what you change and what you measure. |
| **experiment** /ekˈsperɪmənt/ | In an **experiment**, we give treatments and measure the results. |
| **survey** /ˈsɜːveɪ/ | We ran a **survey** of 100 students. |
| **observation** /ɒbzəˈveɪʃn/ | In an **observation**, the researcher watches behaviour. |
| **research interview** /rɪˈsɜːtʃ ˈɪntəvjuː/ | In a **research interview**, you ask someone about their experiences. |
| **ethics** /ˈeθɪks/ | **Ethics** is about what is right and wrong. |
| **databases** /ˈdeɪtəbeɪsɪz/ | **Databases** store records that programs can search and update. |
| **literature review** /ˈlɪtrɪtʃə rɪˈvjuː/ | A **literature review** sums up what other studies have found. |
| **limitations** /ˌlɪmɪˈteɪʃnz/ | Every study has **limitations**, such as a small sample. |
| **timeline** /ˈtaɪmlaɪn/ | Make a **timeline** for the project. |



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| Word | Example |
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| **peer review** /pɪə rɪˈvjuː/ | In **peer review**, other scientists check the work before it is published. |
| **presentation** /ˌprezənˈteɪʃn/ | Each group gives a five-minute **presentation**. |
| **defence** /dɪˈfens/ | In your **defence**, you answer questions about your project. |
| **null hypothesis** /nʌl haɪˈpɒθəsɪs/ | The **null hypothesis** says there is no difference between the groups. |



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