# Problem-solving scaffold

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|  | STEP | STUDENT NOTES |
| 1 | Identify the problem being investigated. | What effect does vegetation have on how soil moves when rain falls on it? |
| 2 | Identify likely sources of information and equipment that could be used to answer the question. | Can your teacher give you an answer to your problem?  Can you do a practical investigation to find an answer to this problem?  Can you find answer from books and the Internet?  If you do a practical investigation, where will you get the equipment needed to do the investigation? |
| 3 | Planning the investigation | What equipment will you need to do this practical investigation?  How will you use this equipment? |
| 4 | Collecting the information | How will you collect this information? Do you need to measure something or can you take photos to show what you have found in your investigation?  Are you collecting information from other sources as well as your practical activity? |
| 5 | How reliable is the information you collected? | Did all groups find the same or similar results?  Did you find the same information from other sources such as the Internet or books?  If the information from all these sources is the same, then the information you collected is reliable. |
| 6 | Solution/Conclusion | What have you found out as a result of your investigation? |