## Create dichotomous keys

### Rubric

**Assessment**

| Criteria | Beginning | Achieved | Exceeded |
| --- | --- | --- | --- |
| Field work | Makes and records observations. | Makes observations and records field data safely using appropriate digital tools. | Makes careful observations and records field data safely and accurately using appropriate digital tools. |
| Specimen identification | With guidance identifies observed species. | Uses visual and location information to identify species. | Uses macro- and micro- visual or other information and location data to identify species. |
| Dichotomous key construction | With guidance constructs a dichotomous key to identify up to 10 organisms observed by the class. | Designs a dichotomous key that enables peers to identify all the organisms observed by the class. | Designs a dichotomous key that uses key taxonomic information to enable peers to identify all the organisms observed by the class. |
| App design | Designs a prototype that shares information. | Designs a functional multiscreen prototype that considers user experience. | Designs a functional multi-screen prototype that considers diverse users. |
| Communication | Selects app features and language to share information. | Selects app features and language to share information and engage a community audience. | Selects app features and language to share information and engage a diverse community audience. |