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| **Outdoor Education Plan** |
| **Lesson Focus – Making a Wind Chime and investigating Sound**  |
| **Year Group -**  | **Term -**  | **Date –**  |
|  | **Outline** | **Curriculum Links/****Learning Objectives** | **Health and Safety considerations** | **Equipment** |
| **Session Procedures** | **Before** - Check for rubbish, glass, hazards. Check weather forecast**During –** Remind children about looking after their eyes.**After** – clear everything away and return any natural objects to their original place**Clean hands.**  | ScienceIdentify how sounds are made, associating some of them with something vibrating.Recognise that vibrations from sounds travel through a medium to the ear.Find patterns between the pitch of a sound and features of the object that produced it.Find patterns between the volume of a sound and the strength of the vibrations that produced it’Recognise that sounds get fainter as the distance from the sound increases. | Wash hands after touching outside objectsRemind the children about how sharp some sticks can be and to be careful of brambles and stinging nettles.Always wear a glove on the hand that you are not holding the tool withAlways make sure that the wood is securely fastened Be aware of the people around you. | BambooHacksawWorkbenchDrillPlastic Hole punchWork glovesString |
| **Introduction and Activity Opportunities** | **Starter activity – Introduce how sound travels and what we think effects the pitch/volume?**<http://www.bbc.co.uk/education/clips/zcctb9q><http://www.bbc.co.uk/education/clips/zxdf9j6>**Main Activity – Making a wind chime/experiment with the sounds outside**1. **(Half the class) Test the instruments to see how they make sound; how you change the volume; how you change the pitch?**
2. **Work through the questions and answer the questions on the sheet.**
3. **Make a straw flute and test changing the pitch.**
4. **(Half the class) Working in groups of 5/6 children are making a wind chime.**
5. **Measure the bamboo cane into 6 different lengths**
6. **Drill holes into the bamboo**
7. **Cut the bamboo lengths**
8. **Thread string through the bamboo and attach it to the bar using a clove hitch – do not leave the string too long otherwise it becomes tangled.**

**Skills – Using a hacksaw, Using a drill** | **Vocabulary** |
| Sound PitchVolumeSawDrill |
| **Plenary** | **Which instruments had the highest/lowest?****How could you improve your wind chime?****Why is sound so important to people?** | **Evaluation** |