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|  **Outdoor Education Plan** |
| **Lesson Focus – Planting a Miniature Garden**  |
| **Year Group - Years 5 & 6** | **Term - Five** | **Date – Week 9/04/2018** |
|  | **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.**  | describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animalsdescribe the life process of reproduction in some plants and animals. | Wash hands after touching outside objectsRemind the children about how sharp some sticks can be and to be careful of brambles and stinging nettles.Remind children to be careful not to let the sticks fly out of their hands and go in someone else’s eye.Wear safety googles to protect eyes when shooting arrows if deemed necessary. | SoilSeed selectionTraysPlanting trays |
| **Introduction and Activity Opportunities** | **Starter activity in class*** Remind class of last year’s experiment with the spinach, cress and pea seeds to see which germinated first/which grew the tallest. <https://innocentbiggrow.com/assets-sg2017/docs/lesson-plans/Big%20Grow%20UK%20Teachers%20Pack.pdf?v9>
* What is a plant life cycle and what effects the growth rate of a seed?
* Watch the life cycle clip http://www.bbc.co.uk/guides/zyv3jty

**Main Activity** * We are going to plan, design and plant our own mini-allotment.
* Firstly read the backs of the seed packets so that you know how many of which seeds you will be planting. Because we are not growing the plants until they are fully grown we can shrink the distance needed between the seeds (for example if it says 30cm gap you could have a 3 cm gap).
* Once you have decided what you want to plant then decide in what pattern you will plant them.
* Next draw a plan of the allotment – use the tray to draw round for the allotment boundary.
* Remember to draw a key of the symbols used on the allotment.
* Carefully plant up your tray with the allotment seeds
* Water and leave on the windowsill in your classroom – you must look after the seeds from now on.

Potato Maze – put a potato in a box with a hole in the other side to the potato. The potato will sprout and grow towards the light.  | **Vocabulary** |
| HazelClove HitchWillowIsaac NewtonForce FrictionAir resistance |
| **Plenary** | Why would we plant a tuber rather than a seed? (to make sure that you are growing the same type of plant and it has not been cross pollinated)What will you have to do to look after your plants? | **Evaluation** |