As the wheat bugs are being sold at the school's craft fair, students will need to design a brochure that can be sold with the wheat bug to give instructions of how to use, the benefit of using the wheat bug, safety instructions on how long to heat it for and the production process that was used by the students to make them.

General capability - Information and communication technology (ICT)

6. Brochure for Craft Fair

Students will be assisted by an adult or parent helper. Students will be guided through how to use the sewing machine, safety guidelines and sewing stitch required, thread colour matching the material used. There are several machines, so as students finish, other students will be cycled through to complete the sewing on their bags.

Content Descriptor - Investigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use ACIDEROZ3 - comparing tools, equipment and techniques to select those most appropriate for a given

5. Sewing & Constructing Bags

Content Descriptor - Apply safe procedures when using a variety of materials, components, tools, equipment and techniques to make designed solutions ACTDEP026 Elaboration - matching material and joining techniques to the design intention, for example accurately cutting and sewing the fibric pieces to make a community banner or joining components to produce an electric circuit Elaboration - working safely, responsibly and cooperatively to ensure safe work areas, for example the safe use of equipment when making a water-resistant, floating craft or a model of an environmentally sensitive outdoor shelter Elaboration - manipulating materials with appropriate tools, equipment and techniques, for example when preparing food, cultivating garden beds, constructing products.

Students need to weigh both the rosemary or lawender and wheat required to fill the wheat bag correctly. Careful attention needs to be paid to ensure that it is full enough to be effective, but also not to over fill the bag so that it does not overflow. Each bag should be the same weight and size as they are being sold at the craft fair and they need to be of a quality for sale.

3. Constructing Contents for the Wheat Bags

containers Students will do this in groups of 4 to avoid overcrowding the wheat and lavender/rosemary

Students can select their desired material from donated scrap material or purchased material designs to supplement material, if donated material cannot be sourced or there is limited availability. Where possible, donated material should be used in order to encourage

4. Material Choice

Technology Curriculum Making Wheat Bags

investigate materials, components, tools, equipment and processes to achieve intended designed solutions ACTDEP024 Elaboration - investigating how to minimise material use and manage waste by critiquing the environmental and social impacts of materials, components, tools and equipment Content Descriptor - Critique needs or opportunities for designing, and

Students will need to dry the rosemary and lavender in the microwave to ensure that it is devoid of moisture before going in the wheat

Students will do this in groups of 4 to avoid overcowding the microwave. Supervision of this task should be done by a parent or classroom teacher for safety reasons, but students should be encouraged to complete this task by themselves as a learning

2. Drying the Rosemary and Lavender

Content Descriptor - Apply safe procedures when using a wriety of materials, components, tools, equipment and cerhiques to make designed solutions ACTDEP026 Elaboration - matching material and joining techniques to the design intention, for example accurately cutting and sewing the fabric pieces to make a community barner or joining components to produce an electric circuit Elaboration - working safely, responsibly and cooperatively to ensure safe work areas, for example the safe use of equipment when making a water-resistant, floating craft or a model of an environmentally sensitive outdoor shelter Elaboration -manipulating materials with appropriate tools and the programment of the prog

Students will need to harvest the rosemary and lavender as a first step so that it can then be dried in the microwave.

Harvesting can be done as a whole class, where explicit instructions on how to do this can be given. Supervision is required in the garden area, which is located outside the Year 5 classroom area.

1. Harvesting the Rosemary & @

Focus Questions

Will we need to replant any rosemary/lavender for future use? wheat/rosemary/lavender?

Have we used the right material to cover the wheat?

Is our end product entirely sustainable? Or are there other options that we could explore for a more sustainable product?

Content Descriptor - Apply safe procedures when using a warety of materials, components, tools, equipment and techniques to make designed solutions ACTIDEPD26 Eliboration - matching material and joining techniques to the design intention, for example accurately cutting and sewing the fishire pieces to make a community banner or joining components to produce an electric circuit liboration - working safely, tempake a community banner or service size work areas, for example the safe use of equipment when making a water-resistant, floating creft or a model of an environmentally sensitive outdoor shelter Elaboration - womanipulating materials with appropriate tools, equipment and techniques, for example when preparing food, cultivating garden beds, constructing products.

Year 5 **Cross Curricular Integration Underlying Premise** Content Descriptor - Investigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use ACIDEKOX Elaboration - comparing tools, equipment and techniques to select those most appropriate for a given Ribbon - Ribbon to create a tag at the top of the bag. Computers of iPads to design the brochure Sewing machines and thread for the machine wheat/lavender/rosemary Microwave Lavender or rosemary weight of the wheat and lavender Sewing pins to pin the bags Fabric scissors to cut the material to size Measuring cups and or scales to together before sewing Fabric - fabric suitable to hold the What other materials could we use instead of Are we using natural resources? Years 5 and 6 / Design and Technologies Processes and Production Skills / ACTDEPR27 Elaborations - evaluating the suitability of materials, tools and equipment for specific purposes Elaborations - considering the criteria for success in relation to the banefits and costs of production processes, the environmental impact, future use and application, and social values and ethics of clients Health - Health benefits of using the wheat bag to relieve minor aches and pains and stress. Visual Arts - Brochure design, wheat bag design. Science - drying the rosemary and lavender. Discussion about moisture Literacy - Design and create and brochure. Mathematics - weighing and measuring the wheat bags and