FIELDS OF LEARNING
TEXAS WHEAT PRODUCERS BOARD

Alternative Uses of Wheat

Directions: Learn about the alternative uses of wheat and the components of wheat and then complete the scavenger hunt.

Wheat isn't just used for food. The same parts of wheat that make baked goods soft and chewy also make it useful for other types of products.

Household & Consumer Products

- Cat Litter - wheat byproducts
- Charcoal - wheat starch
- Golf Tees - wheat straw
- Laundry Detergent - wheat starch
- Laundry Starch - wheat starch
- Packing Peanuts - wheat starch
- Paper - wheat starch
- Plastic Bags & Plastic Film - wheat straw
- Play Dough - wheat flour
- Skeet Pigeons - wheat starch
- WaterSoluble Inks - wheat starch

Personal Care Products

- Cosmetics - wheat germ oil
- Hair Conditioner - wheat gluten & wheat germ oil
- Sunscreen - wheat germ oil

Industrial & Manufacturing Products

- Adhesives & Glues - wheat gluten & wheat starch
- Biodegradable Plastics - wheat gluten
- Packaging Foam & Insulation - wheat straw
- Paint Stripper - wheat-based components
- Polymers & Resins - wheat gluten
- Roofing Materials - wheat straw
- Surface Coatings - wheat starch
- Straw Particle Board - wheat straw
- Textile Finishing Agents - wheat-based components

Environmental & Agricultural Products

- Alternative Fuels - wheat straw & byproducts
- Animal Feed & Bedding - wheat straw
- Wastewater Treatment - wheat straw

FIELDS OF LEARNING
TEXAS WHEAT PRODUCERS BOARD

Wheat Parts & Uses

Directions: Learn about the components of wheat that are used in food and non-food products and then complete the scavenger hunt.

Wheat Component	Definition
Gluten	A protein found in wheat, rye and barley. It has binding properties and makes baked goods chewy.
Wheat Starch	A carbohydrate made of sugar molecules. Starch is used as a thickening agent.
Wheat Grain	The seed of the wheat plant, also known as the kernel. It can be ground into flour or used as animal feed.
Wheat Straw	The stalk of the wheat plant.
Wheat Flour	The main product created from wheat. There are different kinds of wheat flour based on the intended use.
Wheat Germ Oil	The oil from the germ in the wheat kernel. It is full of vitamin E to help the wheat plant grow.
Wheat Byproducts	The leftover parts of wheat after it is processed or harvested.

Extension Activity:
Research how each of the products listed on the previous page is made using wheat and find even more products that are made with wheat.

FIELDS OF LEARNING
TEXAS WHEAT PRODUCERS BOARD

Alternative Uses Scavenger Hunt Activity

Directions: Review the alternatives uses of wheat handout and find as many products as you can that are made using wheat.

Non-Food Products

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

FIELDS OF LEARNING
TEXAS WHEAT PRODUCERS BOARD

Food Products Scavenger Hunt Activity

Directions: Find the ingredients label on the back of food products and find as many products as you can that are made using wheat or parts of wheat.

Food Products

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____