# AFTER STUDYING THIS CHAPTER, YOU WILL BE ABLE TO:

- care for knives properly
- use knives properly
- cut foods into a variety of classic shapes

very professional must become skilled in the use of certools. The professional chef is no exception. One of the maimportant tools the student chef must master is the knife. knife skills are critical to a chef's success because the knife most commonly used tool in the kitchen. Every chef spend countless hours slicing, dicing, mincing and chopping. Lear to perform these tasks safely and efficiently is an essential of a student's training.

At first, professional knives may feel large and awkward at the techniques discussed in this chapter may not seem all efficient. But as students become familiar with knives and practice their knife skills, using knives correctly will become second nature.

Knives are identified in Chapter 5, Tools and Equipment. we show how they are used to cut vegetables. The technic presented, however, can be used for almost any food that its shape when cut. Knife skills for butchering and fabricatir meat, poultry, fish and shellfish are discussed in Chapter 1. Principles of Meat Cookery, through Chapter 20, Fish and Shellfish.

A note about language: Many of the classic cuts are known their French names: *julienne*, for example. Although these are nouns and entered the English language as nouns (for example, a julienne of carrot), they are also used as verba julienne a carrot) and adjectives (julienned carrots).

# ► USING YOUR KNIFE SAFELY

The first rule of knife safety is to think about what you are doing. Otherules of knife safety are as follows:

- 1 Use the correct knife for the task at hand.
- 2 Always cut away from yourself.
- 3 Always cut on a cutting board. Do not cut on glass, marble or meta
- **4** Place a damp towel underneath the cutting board to keep it from s as you cut.
- 5 Keep knives sharp; a dull knife is more dangerous than a sharp on
- **6** When carrying a knife, hold it point down, parallel and close to yo as you walk.
- 7 A falling knife has no handle. Do not attempt to catch a falling knife back and allow it to fall.
- 8 Never leave a knife in a sink of water; anyone reaching into the sir could be injured or the knife could be dented by pots or other uter

# CARING FOR YOUR KNIFE

#### NIFE SHARPENING

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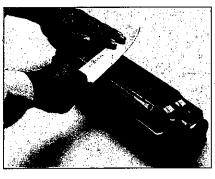
sharpening stone called a **whetstone** is used to put an edge on a dull knife tide. To use a whetstone, place the heel of the blade against the whetstone at degree angle. Keeping that angle, press down on the blade while pushing way from you in one long arc, as if to slice off a thin piece of the stone. The title length of the blade should come in contact with the stone during each eep. Repeat the procedure on both sides of the blade until sufficiently sharp. It a triple-faced stone, such as that shown here, you progress from the coarsto the finest surface. Any whetstone can be moistened with either water or need oil, but not both. Do not use vegetable oil on a whetstone because it alsoon become rancid and gummy.

Asteel does not sharpen a knife. Rather, it is used to hone or straighten the lade immediately after and between sharpenings. To use a steel, place the blade ainst the steel at a 20-degree angle. Then draw the blade along the entire lagtin of the steel. Repeat the technique several times on each side of the blade.

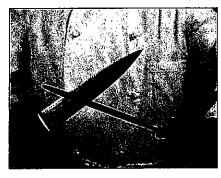


oper sanitation of knives is essential to prevent cross-contamination. Always natize, rinse and dry knives by hand immediately after each use. Do not wash notices in commercial dishwashers. The heat and harsh chemicals can damage needing and the handle. In addition, the knife could injure an unsuspecting worker if left in a sink full of water.

To prevent dulling their blades, store knives so that their blades never touch their knives or tools. Slotted knife holders or magnetized strips can be wall-mounted near work stations. The portable knife kit, made from flexible wash-ble material, is designed to hold each knife in an individual protective sleeve.



When sharpening a knife against a three-sided whetstone, go from the coarsest to the finest surface.



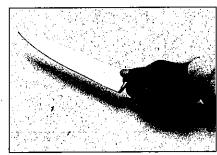
Honing a knife against a steel straightens the blade between sharpenings.

# **GRIPPING YOUR KNIFE**

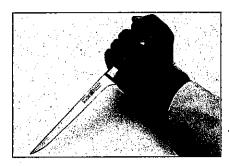
There are several different ways to grip a knife. Use the grip that is most compable for you or the one dictated by the job at hand. Whichever grip you use would be firm but not so tight that your hand becomes tired. Gripping styles are town here.



he most common grip: Hold the handle with three fingers while upping the blade between the thumb and index finger.



A variation on the most common grip: Grip the handle with four fingers and place the thumb on the front of the handle.

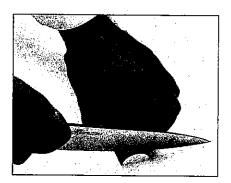


The underhand grip for a rigid boning knife: Grip the handle in a fist with four fingers and thumb. This grip allows you to use the knife tip to cut around joints and separate flesh from bone when boning meat and poultry.

# ► CONTROLLING YOUR KNIFE

To safely produce even cuts, you must control (or guide) your knife w hand and hold the item being cut with the other. Always allow the blade edge to do the cutting. Never force the blade through the item being a smooth, even strokes. Using a dull knife or excessive force with any kn duces, at best, poor results and, at worst, a significant safety risk. Cuttir out using your hand as a guide may also be dangerous. Two safe methods that produce good results are shown here.

#### Method A

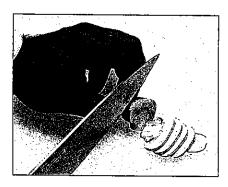


1 Keeping your fingertips curled back, grip the item being cut with three fingertips and your thumb. Hold the knife in the other hand. While keeping the knife's tip on the cutting board, lift the heel of the knife.

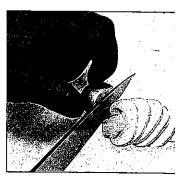


2 Using the second joint of yo index finger as a guide, cut a using a smooth, even, down stroke. Adjust the position o guiding finger after each slic produce slices of equal size. few cuts, slide your fingertip thumb down the length of the item and continue slicing. For slicing technique, the knife's acts as the fulcrum.

#### Method B



1 Grip the item as described above. Using the second joint of your index finger as a guide, lift the knife's tip and slice by drawing the knife slightly back toward you and down through the item, cutting the item to the desired thickness.



2 The motion of the knife shot come almost entirely from the wrist, not the elbow. Allow the weight of the knife to do mothe work; very little downwa pressure needs to be applied the knife. For this slicing tect your wrist should act as the fulcrum.

# **STITING WITH YOUR KNIFE**

es used to shape an item and reduce its size. Uniformity of size and shape even cooking and enhances the appearance of the finished product. are shaped by slicing, chopping, dicing, mincing and other special cutting angues.

## **CING**

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is to cut an item into relatively broad, thin pieces. Slices may be either infished cut or the first step in producing other cuts. Slicing is typically used three specialty cuts: chiffonade, rondelle and diagonal. Slicing skills are used to produce oblique or roll cuts and lozenges.

chiffonade is a preparation of finely sliced or shredded leafy vegetables as a garnish or a base under cold presentations. As shown here, slicing then chiffonade is a relatively simple process.

► chiffonade (chef-fon-nahd) to finely slice or shred leafy vegetables or herbs



Wash and destem the leaves as necessary. Stack several leaves on tops of each other and roll them aghtly like a cigar.



2 Make fine slices across the leaves while holding the leaf roll tightly.

Asseen here, **rondelles** or **rounds** are easily made disk-shaped slices of addical vegetables or fruits.

➤ rondelles (ron-dellz) disk-shaped slices

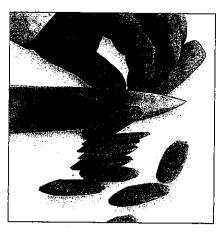


Peel the item (if desired) and place it on a cutting board. Make even slices perpendicular to the item being cut.

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► diagonals oval-shaped slices

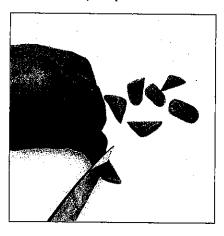
**Diagonals** or bias cuts are elongated or oval-shaped slices of cylin vegetables or fruits. They are produced with a cut similar to that used to condelles except that the knife is held at an angle to the item being cut.



Peel the item (if desired) and pla on a cutting board. Position the lat the desired angle to the item lacut and slice it evenly.

► **oblique cuts** (oh-BLEEK) small pieces with two angle-cut sides

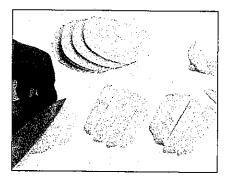
**Oblique-cut** or **roll-cut** items are small pieces with two angle-cut It is a relatively simple cut most often used on carrots and parsnips.



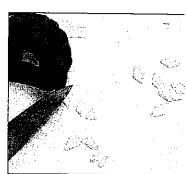
Place the peeled item on a cuttin board. Holding the knife at a 45-degree angle, make the first cut. I the item a half turn, keeping the at the same angle, and make anc cut. The result is a wedge-shaped piece with two angled sides.

► **lozenges** diamond-shaped pieces, usually of firm vegetables

**Lozenges** are diamond-shaped cuts prepared from firm vegetables su carrots, turnips, rutabagas and potatoes.



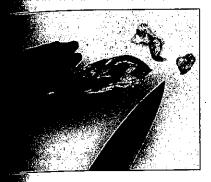
1 Slice the item into long slices of the desired thickness. Then cut the slices into strips of the desired width.



2 Cut the strips at an angle to produce diamond shapes.

#### **ORIZONTAL SLICING**

porizontal slice is to **butterfly** or cut a pocket into meats, poultry or fish. It also a method of cutting used to thinly slice soft vegetables.



With your hand opened and your fingers arched upward, hold the frem to be cut firmly in the center of your palm.



2 Holding the knife parallel to the table, slice a pocket to the desired depth, or cut through the item completely.

▶ **butterfly** to slice boneless meat, poultry or fish nearly in half lengthwise so that it spreads open like a book

### HOPPING

**chop** is to cut an item into small pieces when uniformity of size and shape meither necessary (for example, coarsely chopped onions for a mirepoix that the removed from the stock before service) nor feasible (for example, pars-

➤ **chop** to cut into pieces when uniformity of size and shape is not important

#### OARSE CHOPPING

se chopping does not mean carelessly hacking up food. Rather, the procesis-identical to that used for slicing but without the emphasis on uniformity. So the process of th



Grip the knife as for slicing. Hold the item being chopped with your other hand. It may not be necessary to use your finger as a guide because uniformity is not crucial.

#### CHOPPING PARSLEY AND SIMILAR FOODS

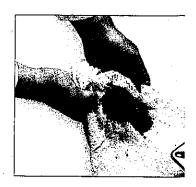
Parsley can be cut very coarsely or very finely. As shown here, it is easy to parsley and similar foods properly regardless of the desired fineness.



 Wash the parsley in cold water; drain well. Remove the parsley sprigs from the stems.



2 Grip the knife in one hand. With the other hand spread flat, hold the knife's tip on the cutting board. Keeping the knife's tip on the board, chop the parsley sprigs by rocking the curved blade of the knife up and down while moving the knife back and forth over the parsley.



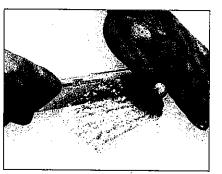
3 Place the chopped parsley in clean kitchen towel or a doul layer of cheesecloth. Rinse it cold water and squeeze out a much water as possible. The chopped parsley should be d fluffy.

#### **CHOPPING GARLIC**

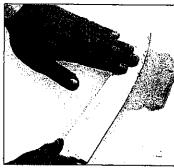
A daily chore in many food service facilities, peeling and chopping garl simple job made easy with the procedure shown here.



I Break the head of garlic into individual cloves with your hands. Lightly crush the cloves using the flat edge of a chef's knife or a mallet. They will break open and the peel can be separated easily from the garlic flesh.



With a flat hand, hold the knife's tip on the cutting board. Using a rocking motion, chop the garlic cloves to the desired size. Garlic is usually chopped very finely.



Garlic paste can be made by the finely chopping the garlic and turning the knife on an angle repeatedly dragging the edge the knife along the cutting bo mashing the garlic.

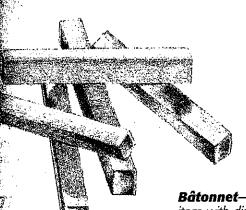
# TING STICKS AND DICING

is to cut an item into cubes. The techniques described here are most ofwhen uniformity of size and shape is important (for example, julienned assortion a salad or brunoised vegetables for a garnish).

tore an item can be diced, it must be cut into sticks such as juliennes and mets. These sticks are then reduced through dicing into the classic cuts as brunoise, small dice, medium dice, large dice and paysanne. Almost cooks have some notion of what size and shape "small diced" populienne carrots may be, there are specific sizes and shapes for these liney are:

▶ **dice** to cut into cubes with six equalsized sides

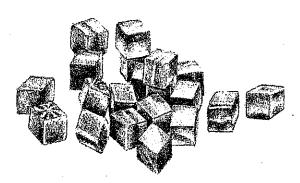
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**Bâtonnet**—(BAH-toh-nay) a stick-shaped item with dimensions of  $\frac{1}{4}$  inch  $\times$   $\frac{1}{4}$  inch  $\times$  2 inches (6 mm  $\times$  6 mm  $\times$  5 cm).

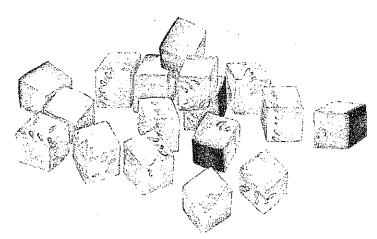


Tan**oise**—(broo-nwaz) a cube-shaped item dimensions of ½ inch × 3 mm). A ½:-inch (1.5-mm) be is referred to as a fine brunoise.

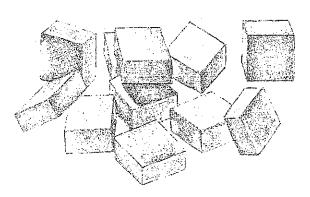


**Small dice**—a cube-shaped item with dimensions of  $\frac{1}{4}$  inch  $\times \frac{1}{4}$  inch  $\times \frac{1}{4}$  inch (6 mm  $\times$  6 mm  $\times$  6 mm).

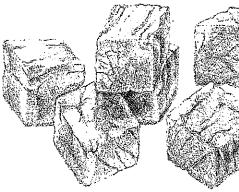
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**Medium dice**—a cube-shaped item with dimensions of  $\frac{1}{2}$  inch  $\times \frac{1}{2}$  inch  $\times \frac{1$ 



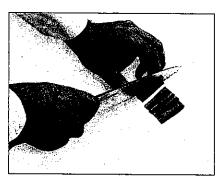
**Paysanne**—(pahy-sahn) a flat, square, round or triangular item with dimensions of  $\frac{1}{2}$  inch  $\times$   $\frac{1}{8}$  inch (1.2 cm  $\times$  1.2 cm  $\times$  3 mm).



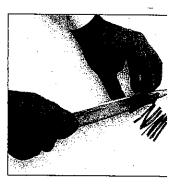
**Large dice**—a cube-shaped item with dim of  $\frac{3}{4}$  inch  $\times \frac{3}{4}$  inch  $\times \frac{3}{4}$  inch (2 cm  $\times$  2 cm 2 cm).

#### **CUTTING JULIENNE AND BÂTONNET**

Julienne and bâtonnet are matchstick-shaped cuts prepared using the scedure as cutting sticks for dicing.



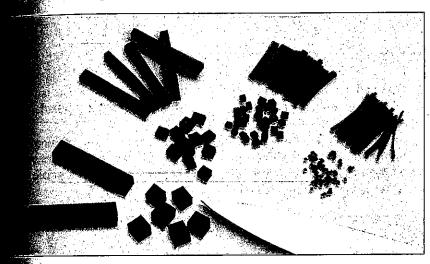
1 Peel the item (if desired) and square off the sides. Trim the item so that the slices cut from it will be the proper length. Cut even slices of the desired thickness, ½ inch (3 mm) for julienne or ¼ inch (6 mm) for bâtonnet.



2 Stack the slices and cut the evenly into sticks (also refe as "planks") that are the sa thickness as the slices.

# TITING BRUNOISE AND SMALL, MEDIUM DLARGE DICE

cuts perpendicular to the length of the sticks to produce small cubes. Inch (3-mm) cut perpendicular to the length of the length of a julienne produces is used to produces. Similarly, a fine julienne (½6 inch × ½6 inch × 2 inches) is used to produce produces a small dice. A ½-inch (1.2-cm) cut from a ½-inch (1.2-cm) produces a medium dice, and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and a ¾-inch (1.8-cm) cut from a ¾-inch (1.8-cm) and and a ¾-inch (1.8-cm) and a ¾-in



monnet and julienne sticks and the large, medium, small and brunoise dices if them.

#### **UITING PAYSANNE**

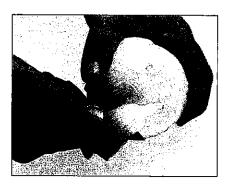
staine is a classic vegetable cut for garnishing soups and other dishes. It could described as a very thin  $\frac{1}{2}$ -inch cube. It is produced by following the procedicing, but in the final step the  $\frac{1}{2}$ -inch  $\times$   $\frac{1}{2}$ -inch (1.2-cm  $\times$  1.2-cm) as are cut into slices  $\frac{1}{8}$  inch (3 mm) thick. The term *paysanne* is also used to similarly sized round or triangular pieces.



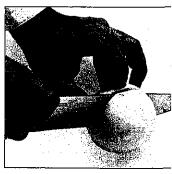
Cutting paysanne from a ½-inch × ½-inch (6-mm × 6-mm) stick.

#### **DICING AN ONION**

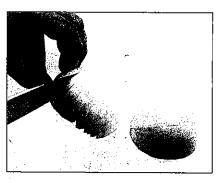
Onions are easily peeled and diced to any size desired using the proshown here.



1 Using a paring knife, remove the stem end. Trim the root end but leave it nearly intact (this helps prevent the onion from falling apart while dicing). Peel away the outer skin; be careful not to remove and waste too much onion.



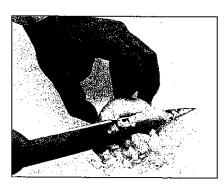
2 Cut the onion in half through stem and root. Place the cut down on the cutting board.



3 Cut parallel slices of the desired thickness vertically through the onion from the root toward the stem end without cutting completely through the root end.



4 Make a single horizontal cut small onion or two horizonta on a large onion through the of the onion, again without through the root end.



**5** Turn the onion and cut slices perpendicular to the other slices to produce diced onion.

#### NEING

date often used interchangeably and are most often used when referring he shallots, herbs and other foods that do not have to be uniform in shape.

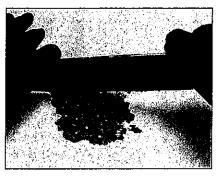
➤ **mince** to cut into very small pieces when uniformity of shape is not important

#### GING SHALLOTS

ocedure for mincing shallots is shown here.



lowing the procedure for peeling dicing an onion.



2 With a flat hand, hold the knife's tip on the cutting board. Using a rocking motion, mince the shallots with the heel of the knife.

#### URNER

timer (toor-nay; "to turn" in French) is a cutting technique that results in a stable shaped finished product with seven equal sides and flat ends. The size misshed product may vary, the most common being 2 inches (5 cm) long to 1½ inches in diameter. This is a more complicated procedure than other are it takes considerable practice to produce good, consistent results.

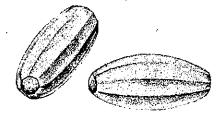
► tourner (toor-nay) to cut into football-shaped pieces with seven equal sides.and blunt ends



ut the item being "turned" into ledes 2 inches (5 cm) × 3/4 to linch (2 to 2.5 cm). Each piece should have flat ends. (Potatoes, unips and beets may be cut into simany as six or eight pieces; affots can simply be cut into lengths.) Peeling is optional because in most cases the item's entire surface area is trimmed away.



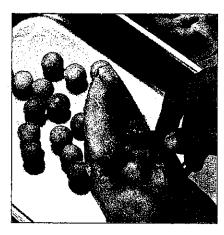
2 Holding the item between the thumb and forefinger, use a tourné knife or a paring knife to cut seven curved sidés on the item, creating a flat-ended, football-shaped product.

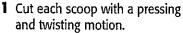


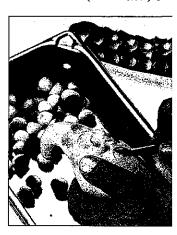
➤ parisienne (pah-ree-zee-en) spheres of fruits or vegetables cut with a small melon ball cutter

#### **PARISIENNES**

A melon ball cutter or Parisienne scoop can be used to cut fruits and ve into uniform spheres, or **Parisiennes**. Small balls or spheres of fresl can be used in fruit salad, while tiny spheres of carrot, turnip, squash ar can be used as a side dish or to garnish soup or an entrée. Melon bal are available in a range of sizes, the smallest of which has an appro: 3%-inch (9-mm) diameter and is known as a Parisienne (or Parisian) scc





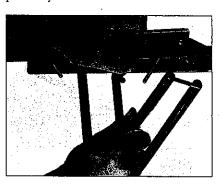


2 Make the cuts as close toge possible in order to minimi; loss.

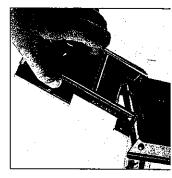
#### **USING A MANDOLINE**

The mandoline is a nonmechanical cutting tool. It does jobs that can I with a chef's knife, such as very thinly sliced apples or large quantities enned vegetables, quickly, easily, and very accurately. It can also produsuch as a ridged slice or **gaufrette** that cannot be done with a conv chef's knife.

When using the mandoline, always use the guard or a steel-mesh ş protect your hand.



1 To use a mandoline, position the legs and set the blade to the desired shape and thickness.



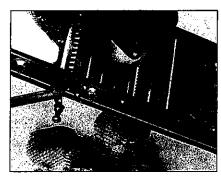
2 Slide the guard into place.

► **gaufrette** (goh-FREHT) a thin lattice or waffle-textured slice of vegetable cut on a mandoline



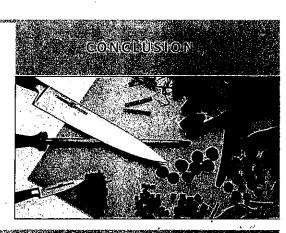
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slice, slide the item against the dewith a single, smooth stroke.



4 To cut gaufrette, select the ridged blade and set it to the desired thickness. Make the first slice, turn the item 60 to 90 degrees and make a second slice. Turn the item back to the original position and make another slice, and so on.

many slicing and dicing machines are available, none can ever complete place a skilled chef with a sharp knife. Make becoming efficient with a shigh priority. Possessing good knife skills allows more attractive produced in a safe and efficient manner. Chefs will use the classic cuts relapiques outlined in this chapter throughout their careers. Memorize the dires and practice them often. And remember, a dull or carelessly handled is always dangerous.



ain the step-by-step procedures for sharpening a knife using a three-week whetstone.

hat is the purpose of a steel? How is it used?

by is it necessary to cut vegetables into uniform shapes and sizes?

Seribe the following cutting procedures: slicing, chopping and dicing.

Longify the dimensions of the following cuts: julienne, bâtonnet, brunoise, and dice, medium dice, large dice and paysanne.

regibe the procedure for making tournéed vegetables.

targe number of vendors sell professional-quality knives through their bisites. What are the advantages and disadvantages of buying knives an online source?



