

Lesson 12

Judges 9:1-57 - The Judge Abimelech

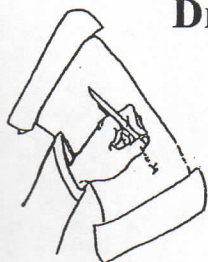
Theme: God Judges Wicked People.

Can a Woman Kill a Man?

Abimelech was one of the judges of Israel. He did not want to serve God and do what was right. He was finally killed. It was a woman at Thebez who did the job!



A Woman at Thebez Drops a Millstone.



Judges 9:53 *And a certain woman cast a piece of millstone upon Abimelech's head, and all to brake his skull.*

**How did
Abimelech die?**





Asahiah (Science)

Abimelech attacked the city of Thebez. The people of the city went up into a strong tower. Abimelech thought he could burn up the tower. When he came near to the tower, a woman threw down **a piece of millstone**. Perhaps the woman **simply dropped the millstone straight down**. Maybe she **threw it out from the wall**. Whatever the case, the heavy millstone picked up speed as it fell toward Abimelech. When it hit his head, it broke his skull. Abimelech then told his armor-bearer to kill him right away with a sword.

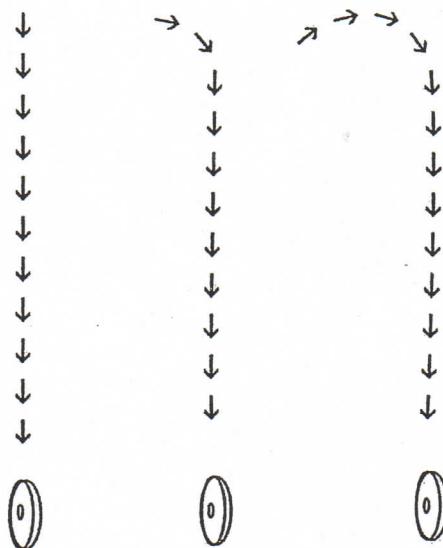
Something to do:

Drop an object such as a rock. At the same time you drop the rock, toss another rock sideways.

Do the two rocks hit the ground at the same time?

What does Jesus have to do with falling objects?

One day, God will send great hailstones on people who reject Jesus Christ.



Possible Paths of the Millstone

Revelation 16:21 - *And there fell upon men a great hail out of heaven, every stone about the weight of a talent...*

Questions:

1. What did a woman throw down on Abimelech?
2. In what two ways may the millstone have fallen?
3. What did the millstone do as it fell toward Abimelech?

Will you escape the judgment of God that will fall on the earth during the Tribulation Period?

Junior Lesson 12A

Any object that is dropped moves faster and faster. This is called **acceleration due to gravity**.

A moving object has **momentum**. The greater the mass of the object, or the greater is speed, the greater its momentum. The speeding millstone increased in momentum as it went toward Abimelech's head.

It takes greater force to stop an object that has great momentum. The force that stopped the millstone in this case was Abimelech's skull! The skull was not strong enough, however, to remain unbroken.

Momentum is related to **speed** and

mass. Consider a moving volleyball and a moving bowling ball. Both are about the same size. If they both move at the same speed, the bowling ball has more momentum than the volleyball. Being hit by the volleyball would hurt less than being hit by the bowling ball! It is possible for a moving volleyball and a moving bowling ball to have the same momentum. The volleyball, however, would have to be moving much faster than the bowling ball.

Although a falling object tends to pick up speed, it does reach a speed at which it will go no faster. This is called its **terminal velocity**. The object will go no faster

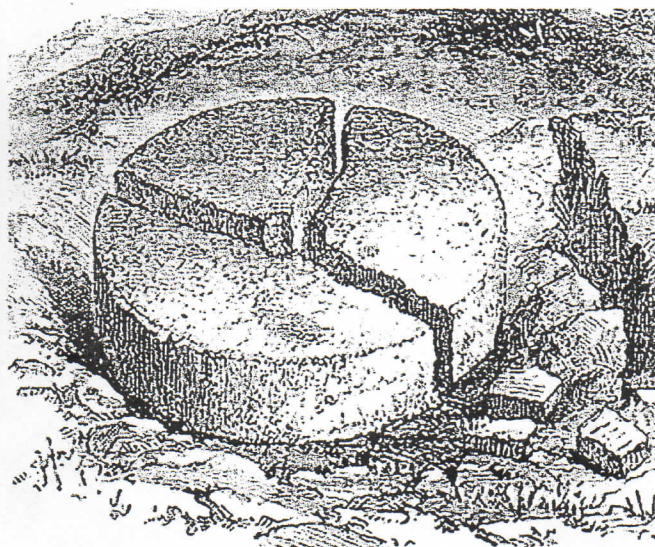
A Woman With a Millstone



because **air resistance** is pushing up against it. Some objects, such as parachutes, have great air resistance. They therefore fall at a slow rate of speed. Objects such as millstones, however, have little air resistance and are not slowed as they fall.

Objects that have a large surface area have greater air resistance. This is why gliders have long wings. Gliders also have low weight. Objects, therefore, that are light in weight and have a large surface area will not fall as fast as heavy objects with small surface area.

A Broken Millstone



Junior Questions

1. What is acceleration due to gravity?
2. What two things influence momentum?
3. How could a moving bowling ball and a moving volleyball have the same momentum?
4. What is terminal velocity?
5. What two things influence terminal velocity?

Intermediate Research Questions

1. What is the acceleration due to gravity in meters per seconds squared?
2. Calculate the speed of an object falling with no air resistance after 10 seconds of free fall.

Advanced Research Questions

1. Calculate the momentum of an object with a mass of 100 kilograms after 3 seconds of free fall with no air resistance.
2. Calculate the momentum of an object with a mass of 100 kilograms after 5 seconds of free fall with no air resistance.