HIGH SPEED PHOTOGRAPHY

Dem nstrate free hand percussion flaking of a bifaccia -ltool by using antler billet, hammerstone, and wood billet. The Purpose is to observe the involentary muscular behavior of the left hand when subjected to the shock of the striking implement held in the right hand. The angle of the artifact may be recorded in relation to the direction of force.The point of impact ,(the partial cone) or platform can be studied for the interpitation of the flake character made by the different billets. compare and interpit dampening by the use of different supportes.

Manùaly pressure flakde a biface projectile point with a thick lenticular cross section to observe the reaction of the left hand while bending the flakes from one side of the artifact to the other.

Pressure flake manualy a bifacial projectile point with a diamond shaped cross section to observe the feathering of a flake and also observe the reaction of the left hand.

Use the reverse flaking technique in making a projectile point , pressing away and toward the first finger of the left hand to examine the change in the character of the flakes.

Remove blades from a polyhedral core by pressure. The experment is to observe the behavior of the platform and the bending of the blade as it is removed. Observe the differences of thrust and slow pressure, observe the termination of the flake . remove the distal end of a core to examine flake behavior. Check reasons of the compression scars and the undulations of flakes .

Remove blade by indirect percussion to observe the rebound of the intermediate tool, and also by percussion to compare the two methods.

Split a blade lengthwise to observe the behavior of force to make a special type of burin.

Compare the fluting of a folsom point with the blade removal on a polyhedral core. Test the use of support of the distal end to accomplish shearing.

Determine by the use of birefringence the relationship of a displaced bulb of force with the platform surface and the contact zone.

Determine the change of core structer by the use of Birefringence also use of and relationships of downward & outward force.

~~Determine~~ Measure the angle of the core and the cores stability depending on the speed of applied force.

Controlling the size of the core by isolating the platform

The amount of force on a ground surface & a polished surface

Measure speed of Blade Removed from Polyhedral core and angle of tool as the tool leaves the top of the core