## Ship the Chip **Driving Question** What features of lightweight chip packaging minimize crushing during shipping? What Students are Doing **What Students Figure Out** There are many different possible What are important Students examine and chip package designs, and packages research different aspects of features of chip must be durable yet lightweight and chip packaging. packaging? cost effective. Chip packages are subjected to What causes chips to Students investigate forces multiple forces throughout the break? acting on a chip. shipping system. What features of chip Students apply scientific There are many possible design ideas to design packaging for packaging could solutions. chips that prevents broken prevent breakage? chips as much as possible. Identifying the characteristics of the Students evaluate the How effective was our design that performed the best in effectiveness of their chip design? each test can provide useful package designs given information for the redesign process. criteria. An iterative design process that Students use their research How can we improve utilizes scientific information can lead and testing to iterate on our design? to the refinement of solutions. their initial design.