**Design Criteria Worksheet: Ancient Coin**

In this design challenge, students must apply their understanding of design and the technical skills required to use Autodesk® 123D Design® to create a 3D model of an historical coin. Encourage students to supplement the resources provided in this project with other sources of knowledge that can include their texts, teachers, and the wide array of online resources.

To develop innovative project solutions, it is critical that you develop a clear understanding of all relevant design criteria. This worksheet is intended to help you identify important factors that shape this project by prompting a response to questions in four key categories: Who, Where, What, and Why.

**WHO**

* Who will purchase goods and services with the coins? Who will receive payment with it?
* Who will design the coin?
* Who will mass-produce the coin?
* Who is involved with the discovery, extraction, and transport of materials used in the coin?
* Whose values and beliefs will the coin incorporate? All members of society? Just a few?

**WHERE**

* Where in the world will the coin be used?
* Will the coin be used by more than one people, or only among one society?
* Where can the materials required to craft the coin be found?
* Where will money be stored when not in use? A bank? A pouch? A ring?
* Where will all the design features be located on the coin?

**WHAT**

* What design features are crucial to the functionality of the currency?
* What aesthetic elements does the coin include?
* What important societal, cultural, religious or moral values and messages will the currency design reflect?
* What specific features of the design convey these cultural messages?
* What materials will the coin be made of?
* What technologies and processes are required to produce the coin?
* What goods and services will be bought and sold with this currency?

**WHY**

* Why are you designing a coin? What functions must it fulfill?
* Why are the specific materials you choose well-suited to currency such as a coin?
* Why are the messages and artwork on the coin? Why are these important?
* Why does your society need a currency?