

# HBCSD TECHNOLOGY LESSON PLAN

## 6th GRADE (Lesson 3)

**Grade Level - 6**

**Lesson Title - Build Your Own Pyramid**

### Standards

History-Social Science Standard 6.2.5 Discuss the main features of Egyptian art and architecture

### Technology Competencies

- Computer Identification/Skills 3-6, 9
- Application Skills 10-18
- Publishing 40, 42
- Research/Information Access 44-47
- Societal/Ethical Issues 48, 49, 51

### Purpose

After learning about the Ancient Egyptian pyramids, students will architecturally design their own pyramid. Students will include safeguards to protect their wealth from tomb robbers.

### Resources

<http://www.ancient-wisdom.co.uk/Ghizaarchitecture.htm>  
[http://ali7king.blogspot.com/2010/12/great-pyramid\\_13.html](http://ali7king.blogspot.com/2010/12/great-pyramid_13.html)  
[http://nuclearpyramid.com/other\\_two\\_pyramids.php](http://nuclearpyramid.com/other_two_pyramids.php)

### Supplies

- Internet accessible computers
- Drawing Software like SketchUp
- Network printers
- Paper
- Graph paper
- Pencils
- Rulers
- Angles

### Direct Instruction

1. Review standards for computer use, Internet search procedures, and publishing skills
2. Remind students about computer safety, saving files, and printing procedures
3. Review plans from popular pyramids emphasizing protection techniques
4. Introduce concept and requirements
5. Show sample designs of pyramids and model how to design one on graph paper
6. Model how to create the design on the computer

### Guided Practice

1. Students research for own pyramid design
2. Students create a rough sketch onto graph paper
3. Students create pyramid design, saving often into approved medium (network file folder, individual flash drive, etc)
4. Students print architectural design (home/school depending on capability)

# HBCSD TECHNOLOGY LESSON PLAN

## 6th GRADE (Lesson 3)

### **Differentiated Instruction**

- EL - pair with partner, allow proofreading by either teacher or student mentor, make requirements less rigid
- GATE - expand into any type of Egyptian building like a temple or palace

### **Assessment**

Rubric should be provided prior to guided practice. Teacher can grade based on process, content accuracy, appearance, and project completion.