

Appendix E: What Are The Arts?

Adapted from Sousa and Pilecki (2013, *From STEM to STEAM*)

MUSIC	DANCE
<ul style="list-style-type: none">• Choral/Vocal<ul style="list-style-type: none">○ Vocal technique○ Performance○ Choral technique○ Composition• Instrumental<ul style="list-style-type: none">○ Solo instrument○ Orchestra○ Marching band○ Concert band○ Composition○ Ensemble○ Jazz ensemble• Music appreciation• Computer-generated music	<ul style="list-style-type: none">• Dance instruction<ul style="list-style-type: none">○ Ballet○ Jazz○ Modern○ Tap○ International○ Ethnic• Choreography• Production• Dance appreciation• Augmented reality dance• Performance that combines dance, technology and light <http://bit.ly/1K5lp3X>
ART	DRAMA/THEATER
<ul style="list-style-type: none">• Drawing<ul style="list-style-type: none">○ Pencil○ Marker○ Charcoal○ Crayon○ Chalk○ Cartooning• Painting<ul style="list-style-type: none">○ Acrylic○ Oil○ Watercolor• Pottery• Sculpture• Fabric Art<ul style="list-style-type: none">○ Quilting○ Painted Fabric○ Batik• Murals<ul style="list-style-type: none">○ Painted○ Found objects• Paper<ul style="list-style-type: none">○ Making paper○ Oragami• Art appreciation• Computer-generated art	<ul style="list-style-type: none">• Drama and acting classes• Speech and vocal production• Mime• Productions of plays• Productions of musicals• Original and adapted scripts• Drama/Theater appreciation• Theater technology<ul style="list-style-type: none">○ Lighting design○ Theater operation○ Audio/Sound design and operation○ Set design and construction○ Costume design and construction• Puppetry art<ul style="list-style-type: none">○ Design and creation of puppets○ Design and creation of puppet stages• Improvisation• Televised production• Interactive theater• Computer-generated drama/theater

FILM

- Film production
 - Film editing
 - Video
 - Creating soundtracks
 - Creating special effects
- Different genres
- Anime/Animation
- Film appreciation
- Computer-generated film

CREATIVE WRITING

- Writing in different genres
- Readings
 - Poetry slams
 - Coffee houses
 - Rap
- Listening/Appreciation
- Technology
 - Translations
 - Audio Books
 - E-Books

ARCHITECTURE, GARDENING, LANDSCAPING DESIGN

- Basic design
 - Traditional
 - Computer generated (CAD)
- Plant origin and species
- Materials
- Understanding of local growing conditions
- Design of community and school gardens
- Appreciation
- Preservation Issues

With the increasing use of technology in the arts, there are innumerable creative possibilities that do not even have names yet.

DIGITAL PHOTOGRAPHY (contributed by Alice Christie)

- Photojournalism
- Urban photography
- Street photography
- Fine art photography
- Night photography
- Cloning photography
- Mosaic photography
- High dynamic range imaging
- Digital preservation of photos
- 3D photographic modeling
- Panoramic photography
- Motion blur photography
- Electronic filtering
- Electronic manipulation
- RAW imaging
- Image longevity
- Digital image editing
- Holistic photography
- Portrait photography

NEW ART FORMS (contributed by Alice Christie)

- Arts awareness
- Digital mosaics
- Images projected on building walls
- Multimedia art
- Algorithmic art
- Augmented reality
- Virtual reality
- Creations made with 3D printers
- Vehicle wraps
- Electronic art
- Remixed art
- Collaborative and networked art
- Interdisciplinary art
- Social media art and art distribution
- Online arts exhibits
- Cultural constructions
- Graphic design
- Website design