

## Core Skills Analysis

### Art

- Gained hands-on experience in creating 3D models using Prisma3D, fostering creativity and self-expression.
- Learned about color theory while choosing colors for different 3D objects, reinforcing artistic concepts.
- Developed spatial awareness and understanding of dimensions through modeling and manipulating objects in a 3D space.
- Engaged in the design process, emphasizing the importance of planning and revising artwork.

### English

- Improved vocabulary through the exploration of design terms and app functionalities.
- Practiced descriptive writing by documenting the design process and explaining choices made in their 3D creations.
- Enhanced storytelling skills by creating narratives around their models, which fosters creative thinking.
- Developed communication skills by sharing their work and ideas with peers, practicing public speaking.

### Foreign Language

- Explored foreign terminology related to design and art in a new language, broadening linguistic skills.
- Engaged in conversations with peers or online communities in the target language while sharing their designs.
- Used written prompts in the foreign language to describe their projects, reinforcing vocabulary and grammar.
- Practiced cultural appreciation through researching art styles and designers from different countries.

### History

- Learned about the evolution of 3D design and its historical significance in art and technology.
- Explored famous historical artists and their techniques, relating them to their own designs.
- Understood the impact of different art movements over the years as they experiment with various styles.
- Investigated historical contexts of materials and tools used in traditional sculpture and modeling.

### Math

- Applied geometric concepts while designing models, including shapes, volume, and symmetry.
- Used measurements and proportions to scale designs accurately in 3D space.
- Enhanced problem-solving skills by troubleshooting design challenges and calculating dimensions.
- Integrated basic algebra by setting up equations to refine models and structures.

### Science

- Explored scientific principles of physics through understanding balance and structure in their models.
- Learned about materials and textures, discussing the properties of different virtual materials.

- Investigated how light interacts with different surfaces within their 3D creations, connecting to optics.
- Experimented with design elements mimicking natural phenomena, promoting curiosity about the natural world.

### **Social Studies**

- Investigated different cultures' artistry and design preferences through research and creation.
- Developed an understanding of how art communicates societal values and histories.
- Created models representing historical landmarks or cultural artifacts, linking art to social contexts.
- Encouraged global awareness by analyzing the significance of art in various societies.

### **Tips**

Encourage the student to explore more about the 3D modeling process by providing resources such as online tutorials and courses. Consider implementing regular reflection sessions for them to share what they've created and learned, enhancing both their communication skills and self-assessment. Supplement their learning with visits to art museums or cultural exhibits to connect their digital creations with real-world inspirations and artistic history. Additionally, facilitate conversations in a foreign language by supporting them in making art-related vocabulary flashcards or practicing dialogues centered around their modeling projects.

### **Book Recommendations**

- [The Art Book for Children](#) by Phaidon Editors: A beautifully illustrated book that introduces children to famous artists and their work, fostering an appreciation for art.
- [Minecraft: The Island](#) by Max Brooks: A novel set in the world of Minecraft that promotes creativity and storytelling, perfect for gamers and budding authors.
- [The 3D Animation Workshop](#) by Derek Uitner: An engaging guide that demystifies 3D animation for kids, providing insights into creating and bringing characters to life.