

Design Challenge – Geocaching Container

Client: Mr. Hall

Designer:

Problem Statement: With the rise of digital film came the fall of traditional film. Although still used by some, traditional film and the film canisters they are stored in are harder and harder to come by these days. As an avid geocacher, I depended upon the film canisters to use as containers for geocaching. Faced with limited availability I am in search of a new small container. Improvements to the film canister container would include a feature that allows for it to easily be fastened with string or fishing line to objects in addition to an appearance (texture) resembling items found in nature.

Problem Statement:

Design, prototype and test a geocache container that is limited to two pieces and meets the constraints identified below.

Constraints:

3-day design/build time period

Limited to two pieces

Dimensional ranges – height 2 – 2 ½ inches; diameter 1 ¼ - 1 ½

I need to keep contents dry while being stored in the outdoors year-round.

Threaded lid is preferred. See Alec T for instructions on how to make your threaded design printable

Deliverables: Initial Sketches

3D Autodesk model/assembly – in material chooses

Printed off technical drawings with dimensions

Picture of project journal reflecting planning

Prototype

Summary Presentation

Research Resources:

www.geocaching.com