

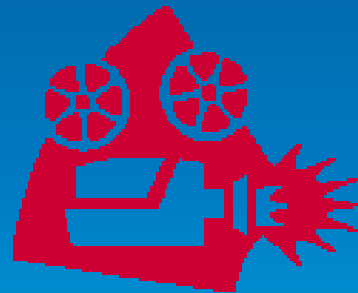


Animations in ArcGIS

Wei-Ming Lin

What is Animation

- **Make your 2D/3D documents come alive by storing actions so they can be replayed as you choose.**
- **Help you visualize changes in perspective, changes in the document's properties, geographical movements, and temporal changes.**



Basic Animation Concepts

- Animation

- Consists of one or more animation **TRACKS** executed in parallel
- Similar or different types of tracks can be played together

Animation Track

Collection of the same type of Keyframes

Each track is bound to one or more objects to define their behavior



Keyframe

Snapshot of an object's properties at a certain time

Objects can be -

Camera, Layer, Scene, Map View, and Time Layer



Basic Animation Concepts

Animation

Consists of one or more objects that are executed sequentially or in parallel
Similar or different types of objects can be played together



- Animation Track

- Collection of the same type of **KEYFRAMES**
- Each track is bound to one or more objects and describe their behavior over animation time

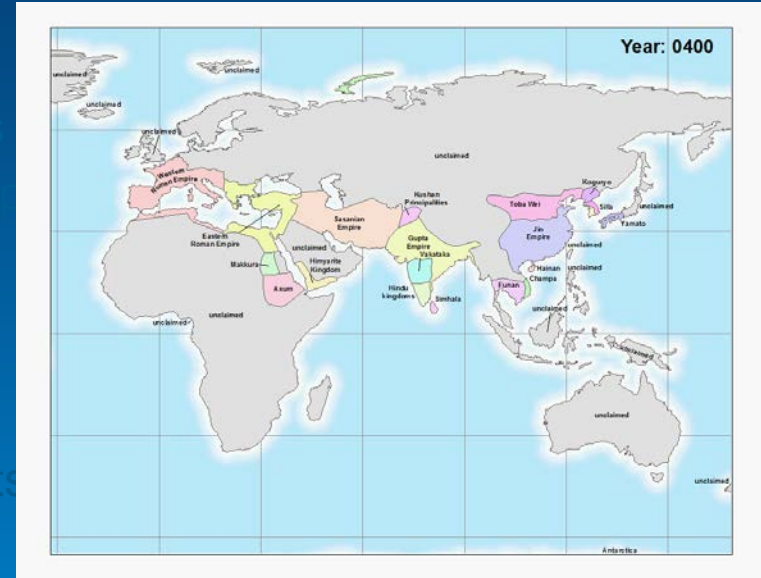
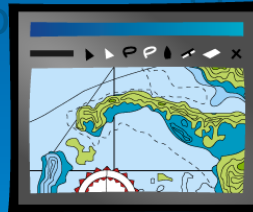
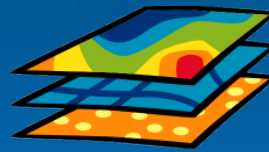
Keyframe

Snapshot of an object's properties at a certain time

Objects can be -

Camera, Layer, Scene, Map View, and Time Layer

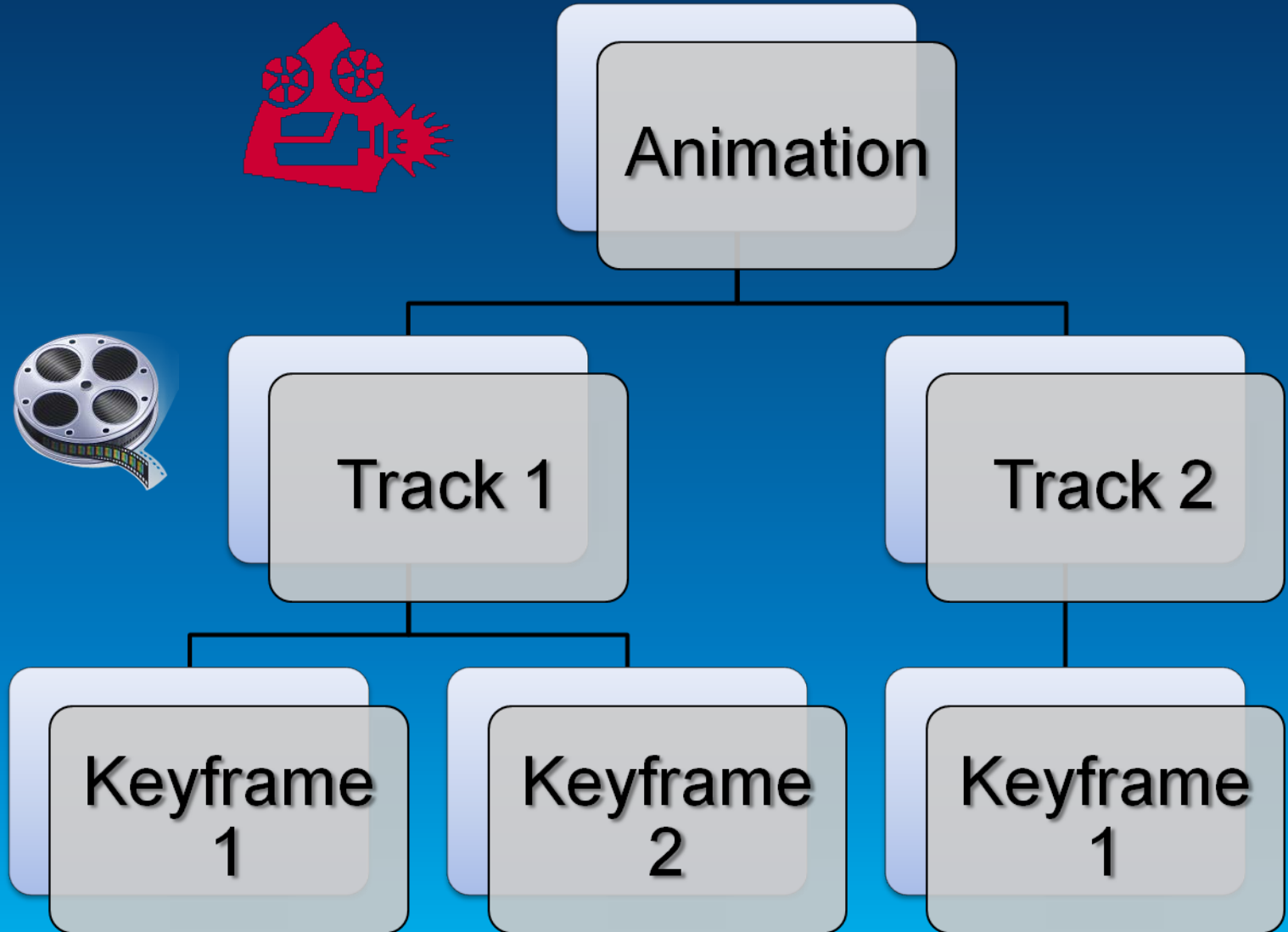
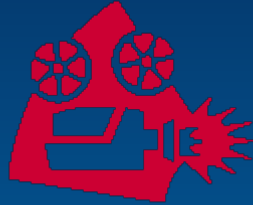
Basic Animation Concepts



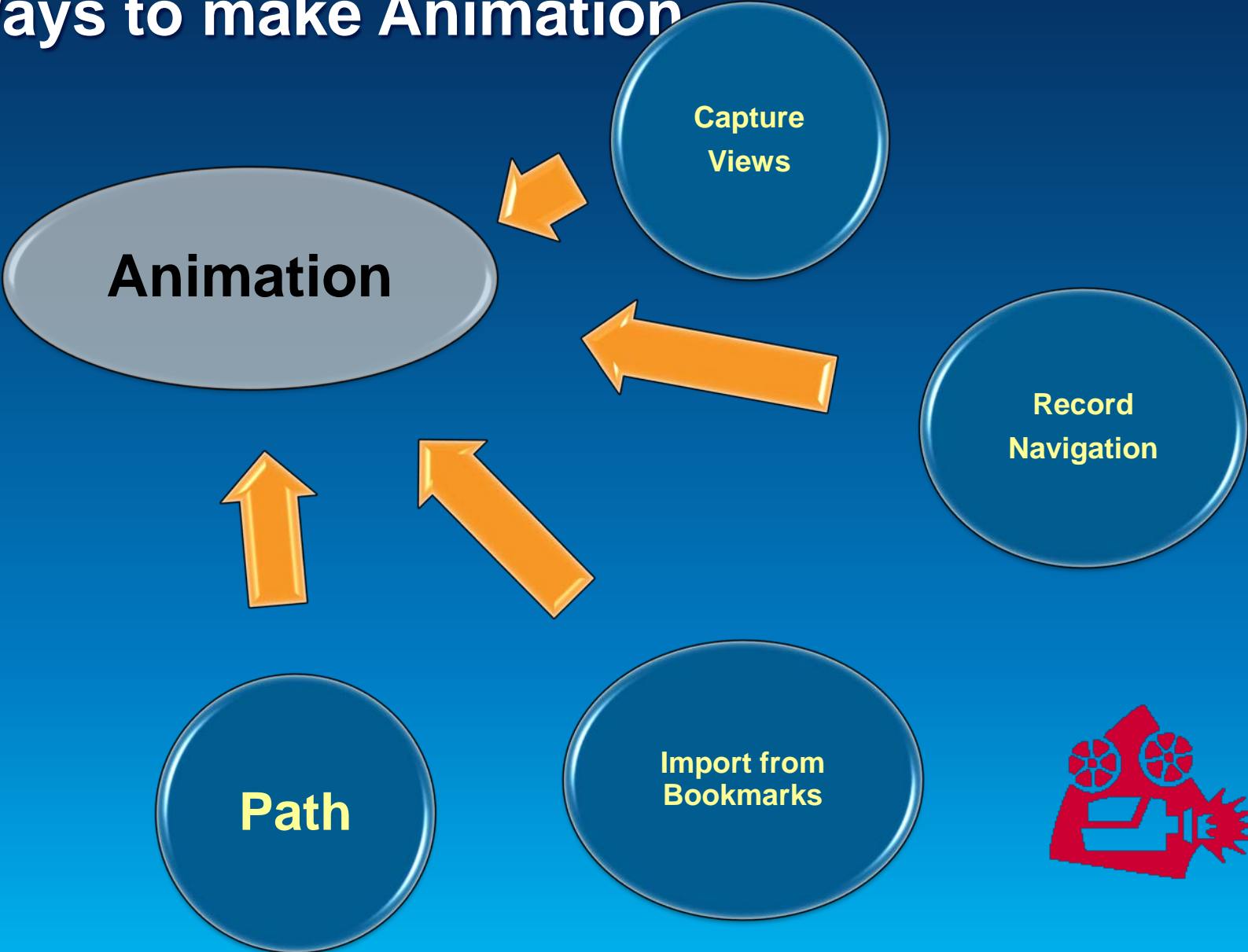
- Keyframe

- Snapshot of an **OBJECT**'s properties at a certain time
- Objects can be -
 - Camera, Layer, Scene/Map View, and Time Layer

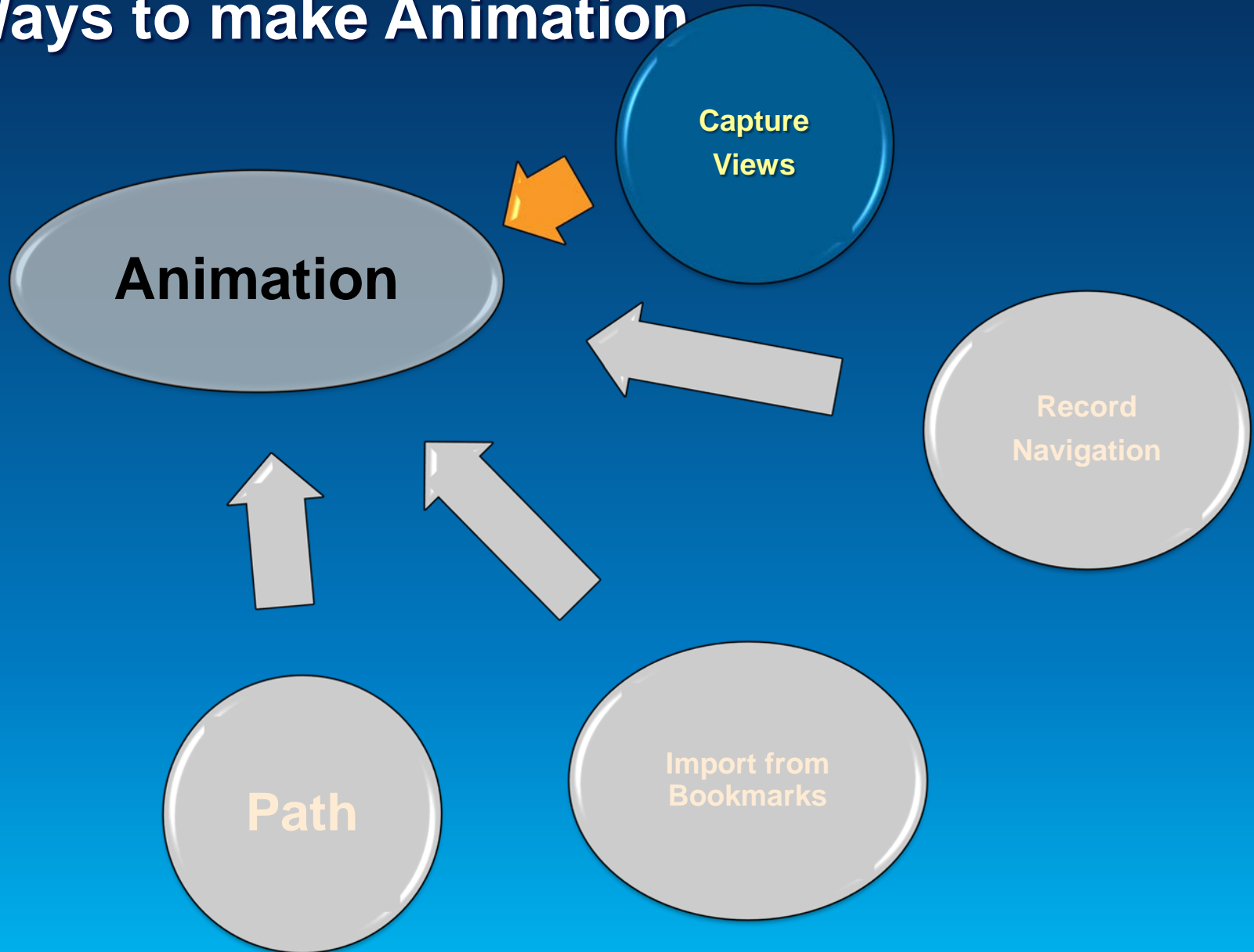
Structure



Ways to make Animation

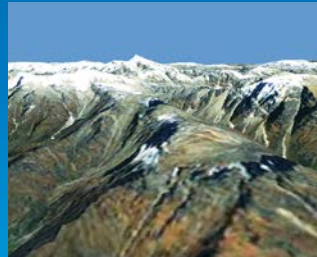


Ways to make Animation



DeKalb County Board of Health

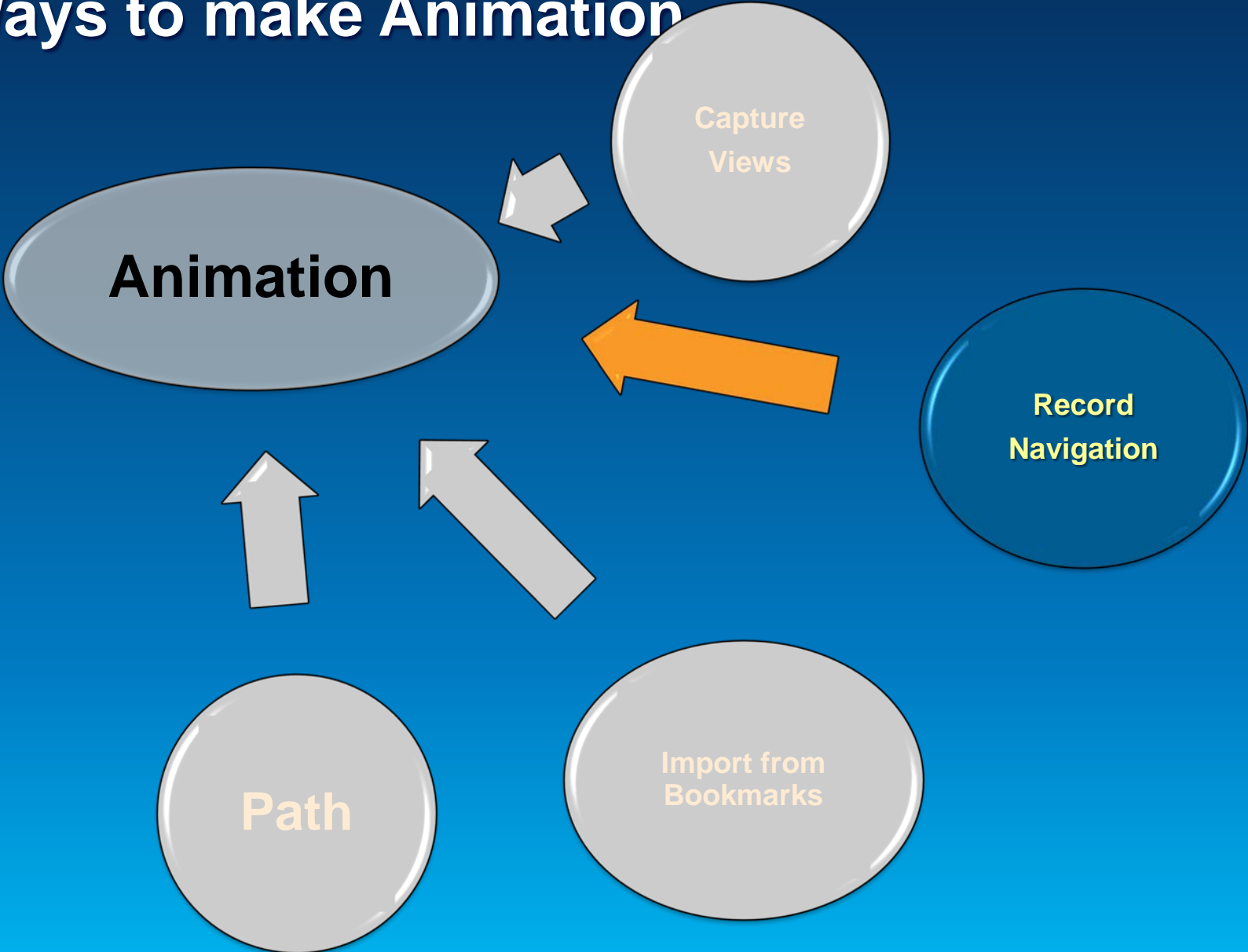
Fulton County Dept. of Health and Wellness/District 3, Unit 2: Georgia



Demo 1

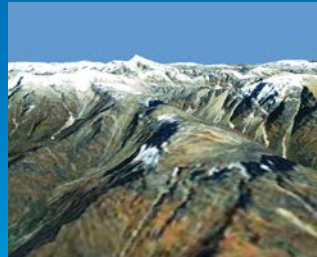
Capture Views
Animation Manager

Ways to make Animation



DeKalb County Board of Health

Fulton County Dept. of Health and Wellness/District 3, Unit 2: GA

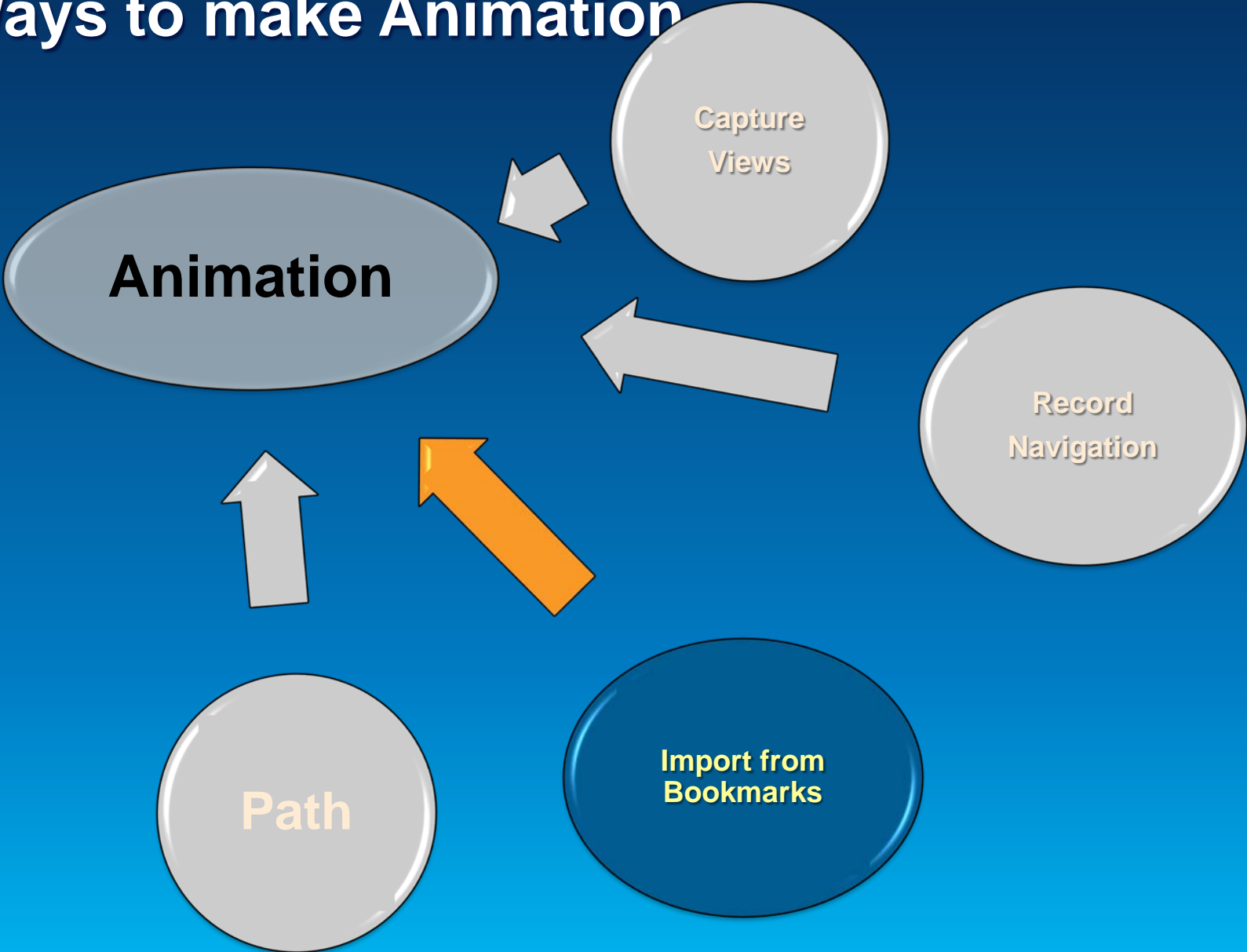


Demo 2

Record by Navigation

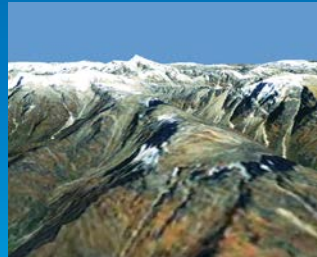
Record by Fly Tool

Ways to make Animation



DeKalb County Board of Health

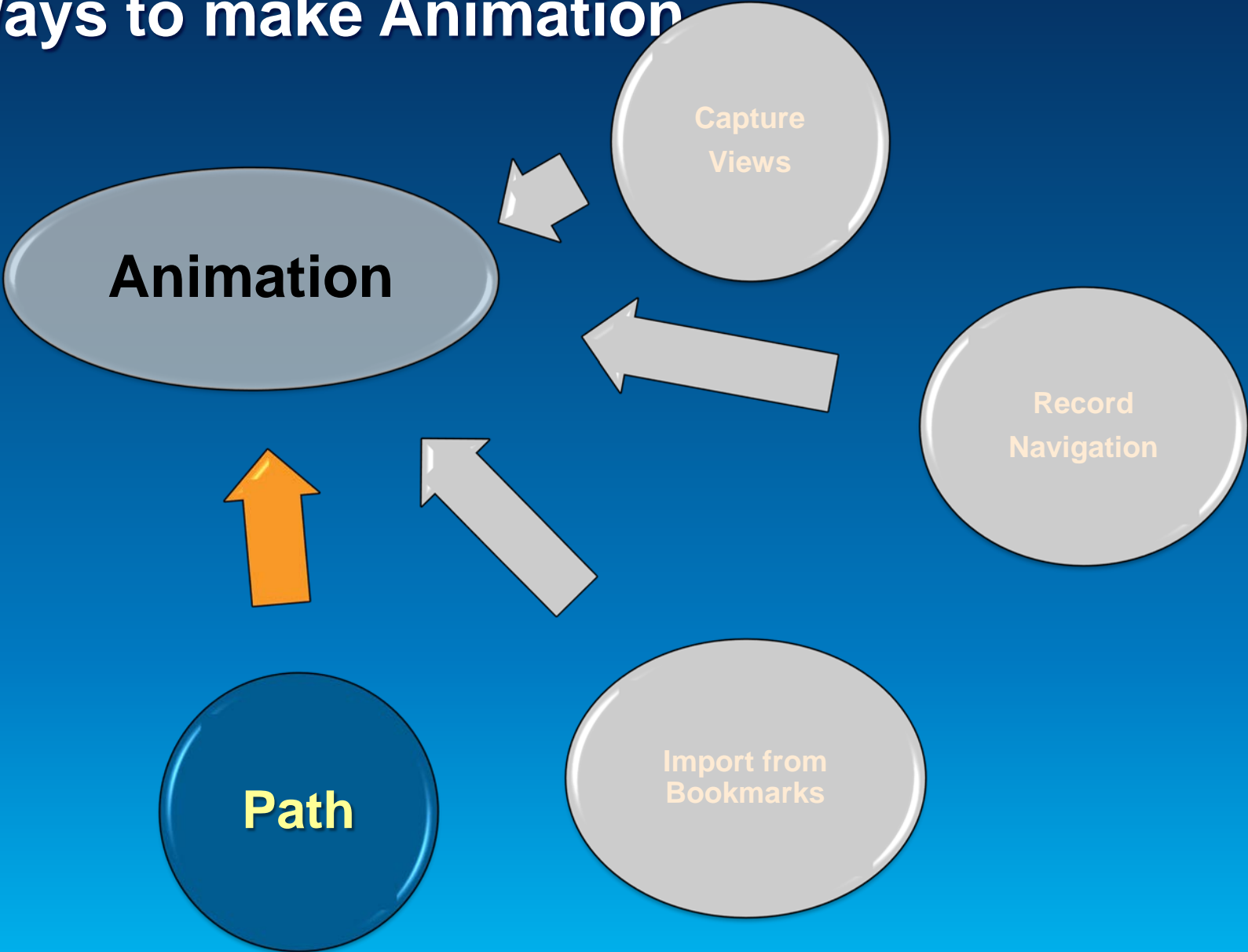
Fulton County Dept. of Health and Wellness/District 3, Unit 2: Georgia

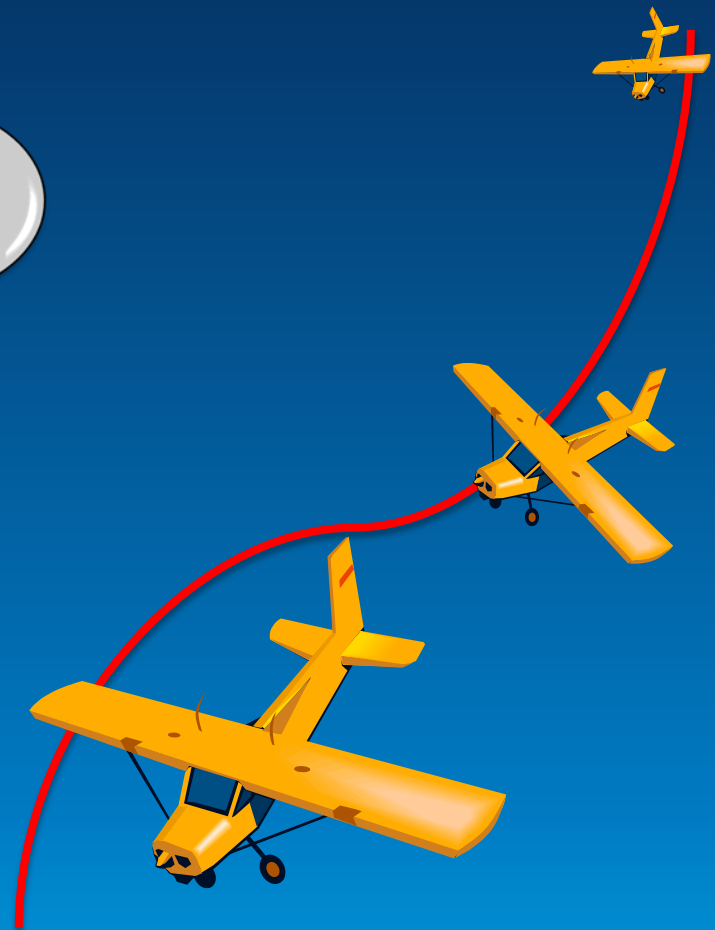
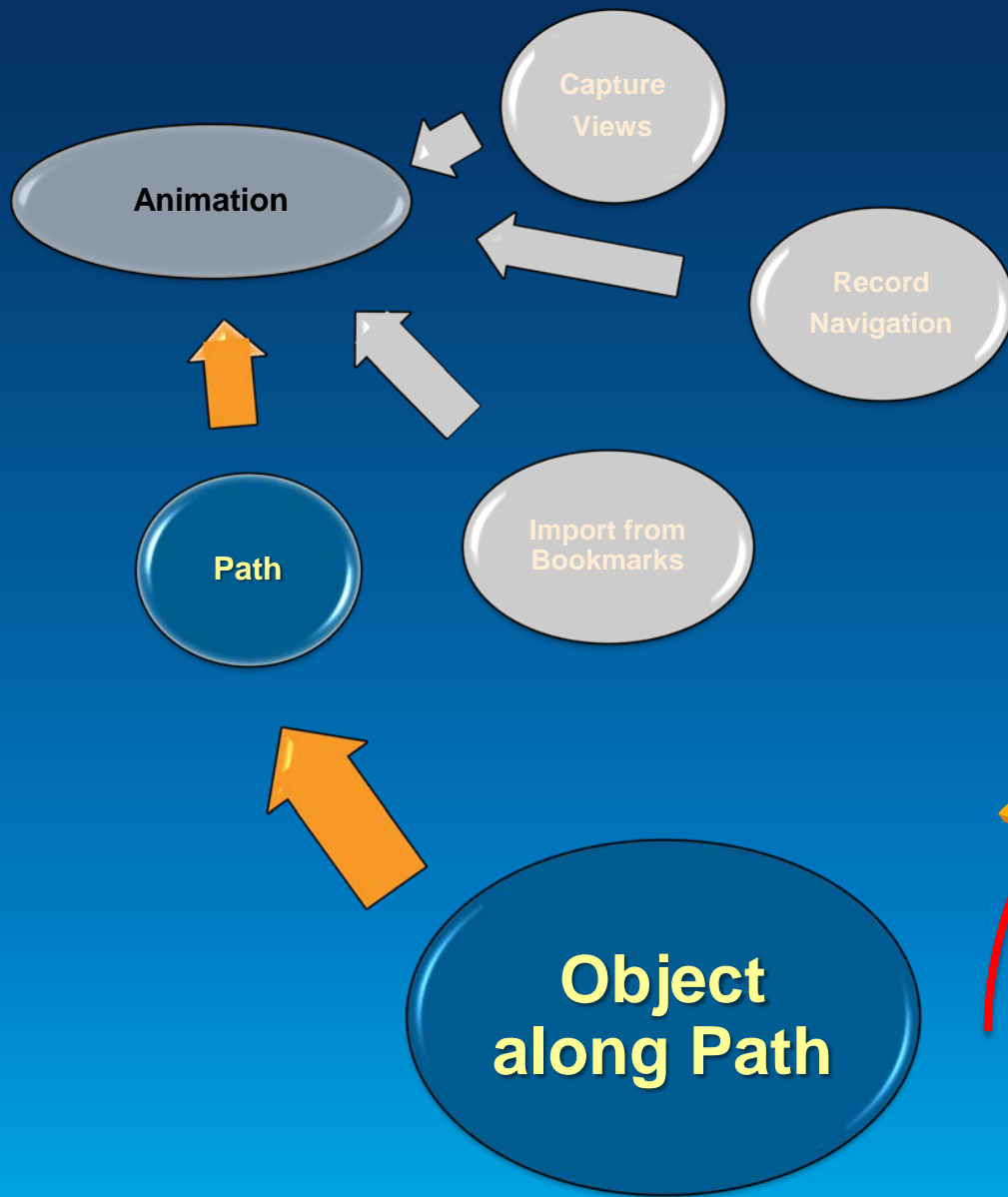


Demo 3

Import from Bookmarks

Ways to make Animation



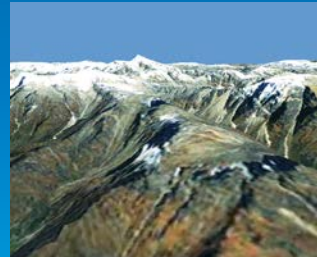


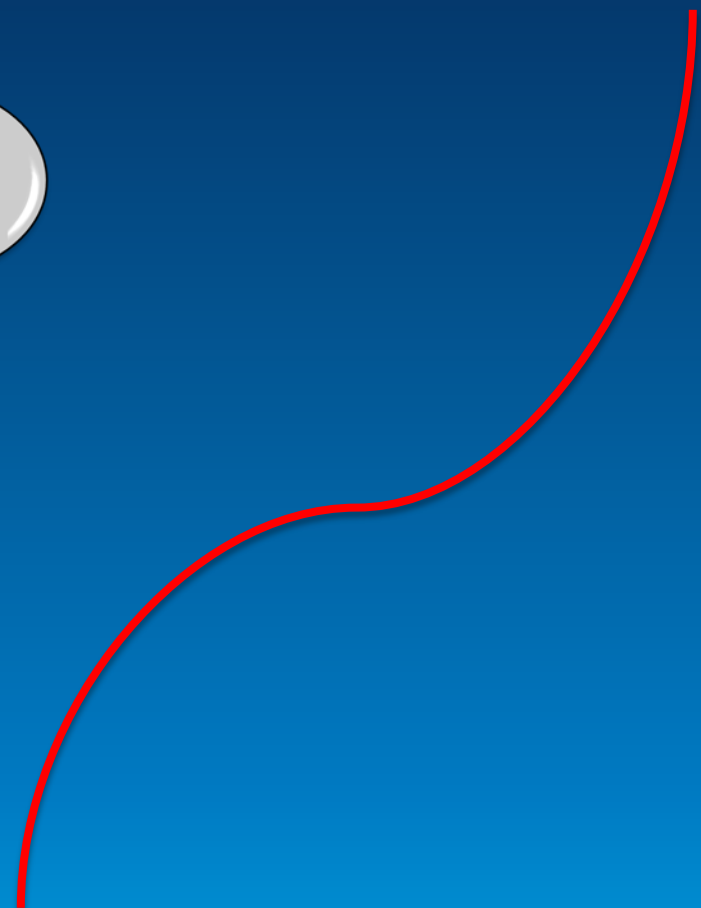
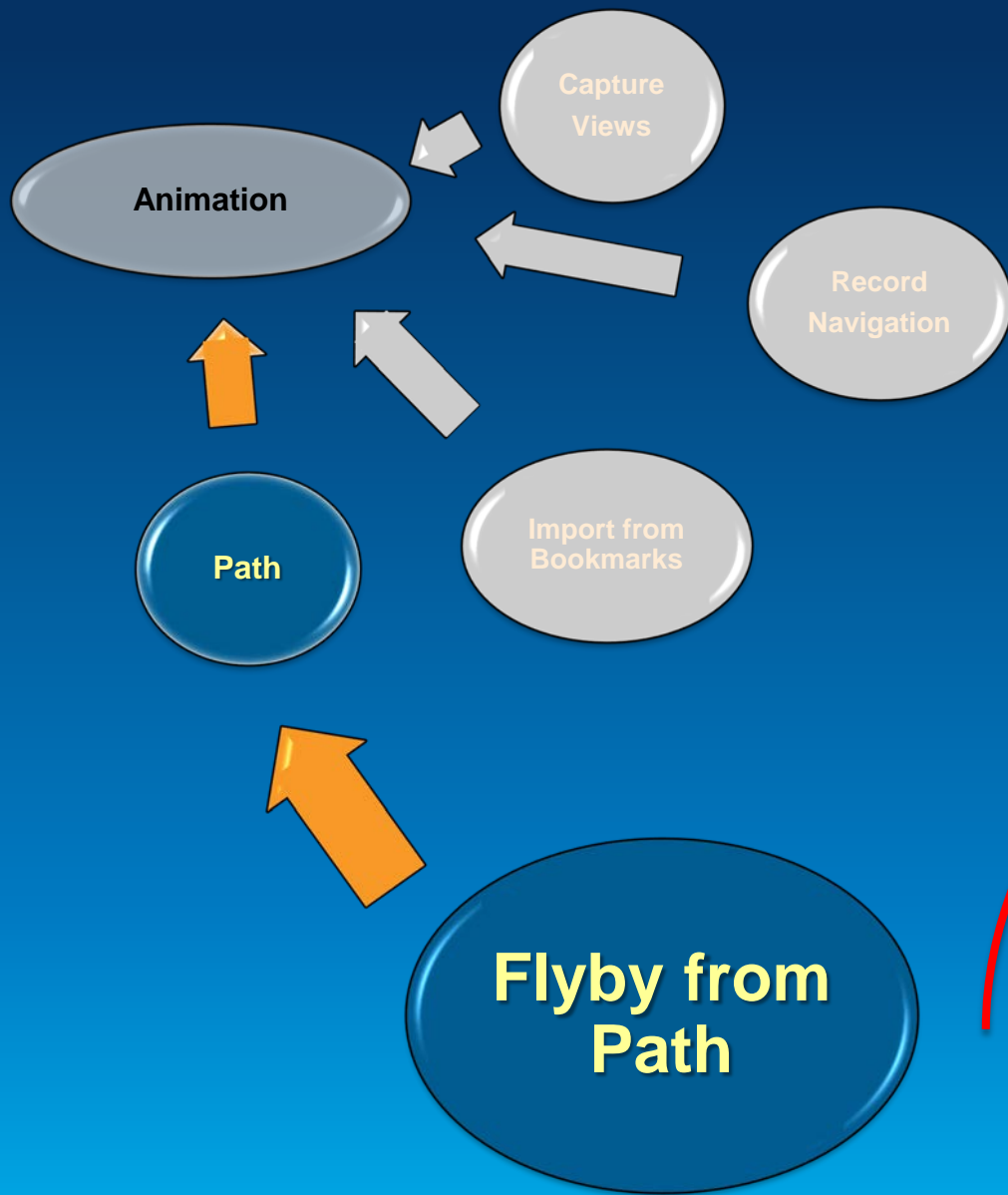
DeKalb County Board of Health

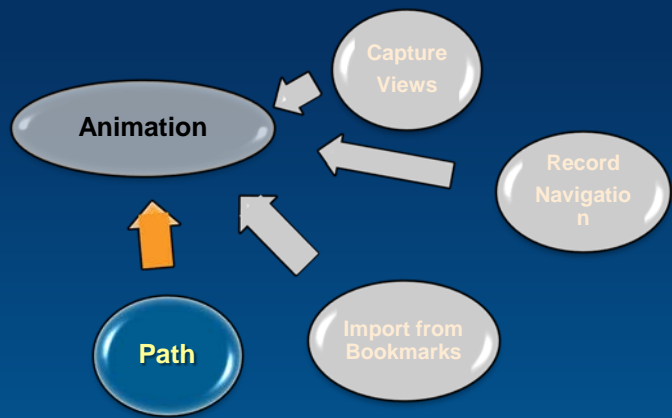
Fulton County Dept. of Health and Wellness/District 3, Unit 2: GIS

Demo 4

Overview: Plane along Path

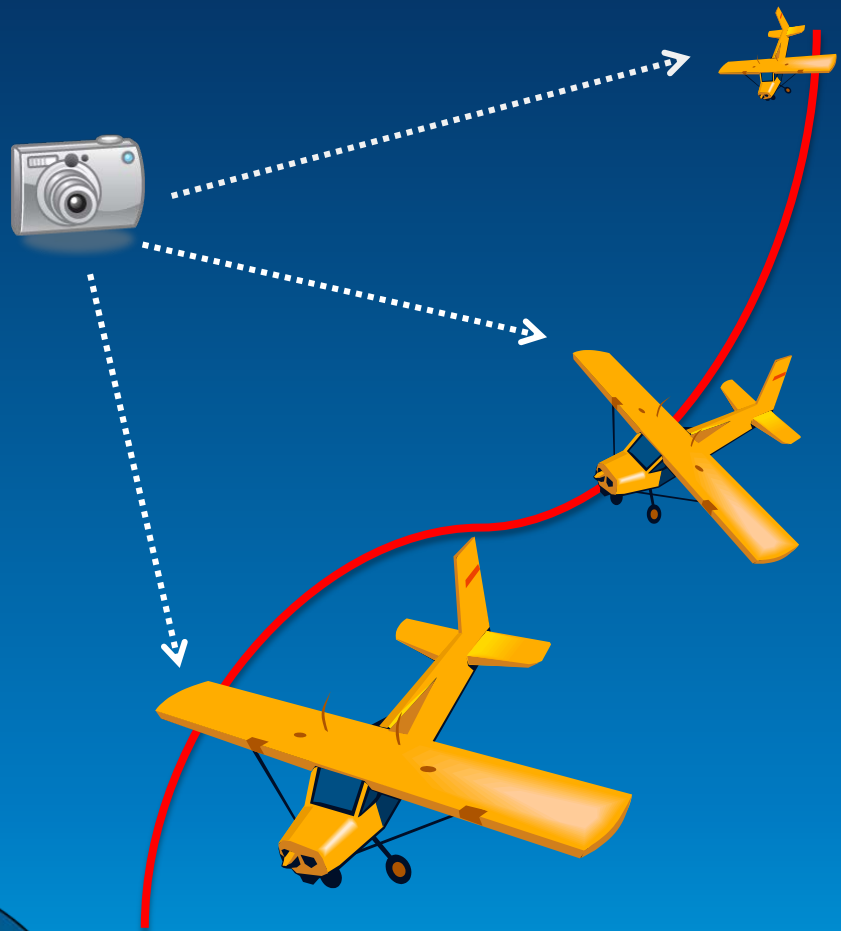






Flyby from Path

Object along Path with Camera

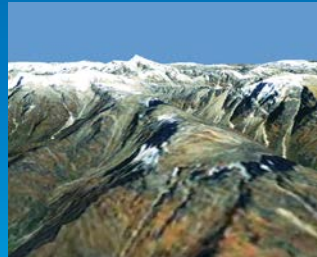


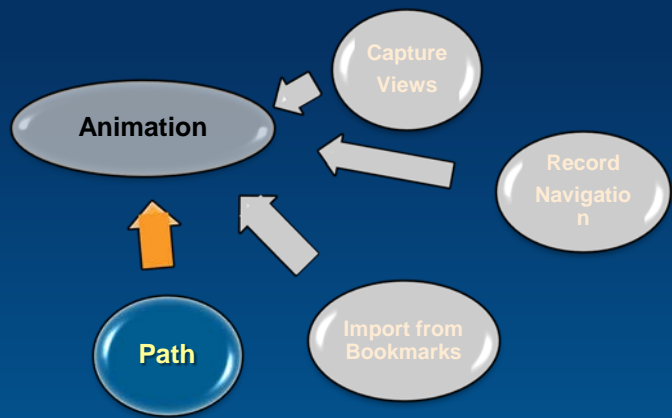
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Demo 5

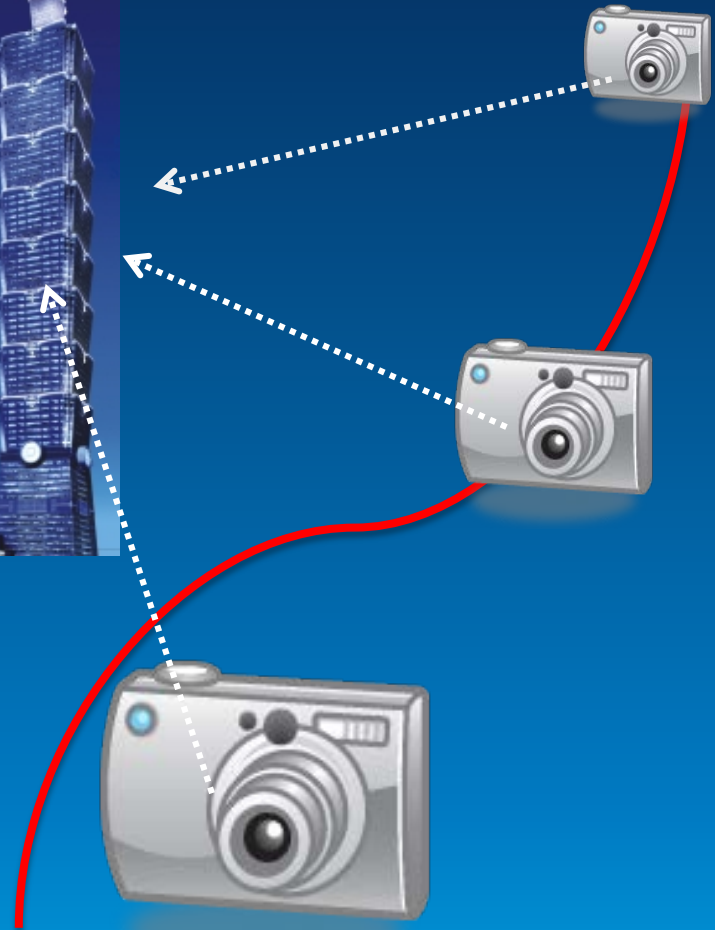
Camera View: Plane along Path





Flyby from Path

Camera along Path with Object

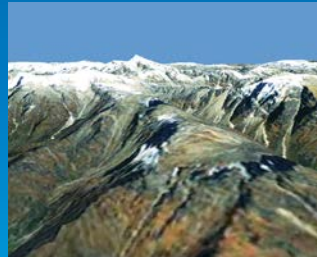


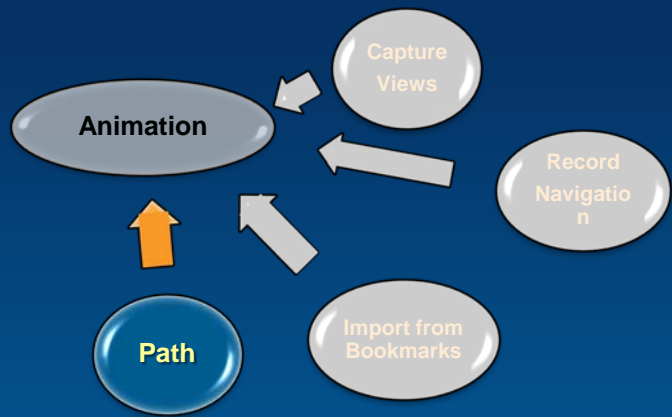
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Demo 6

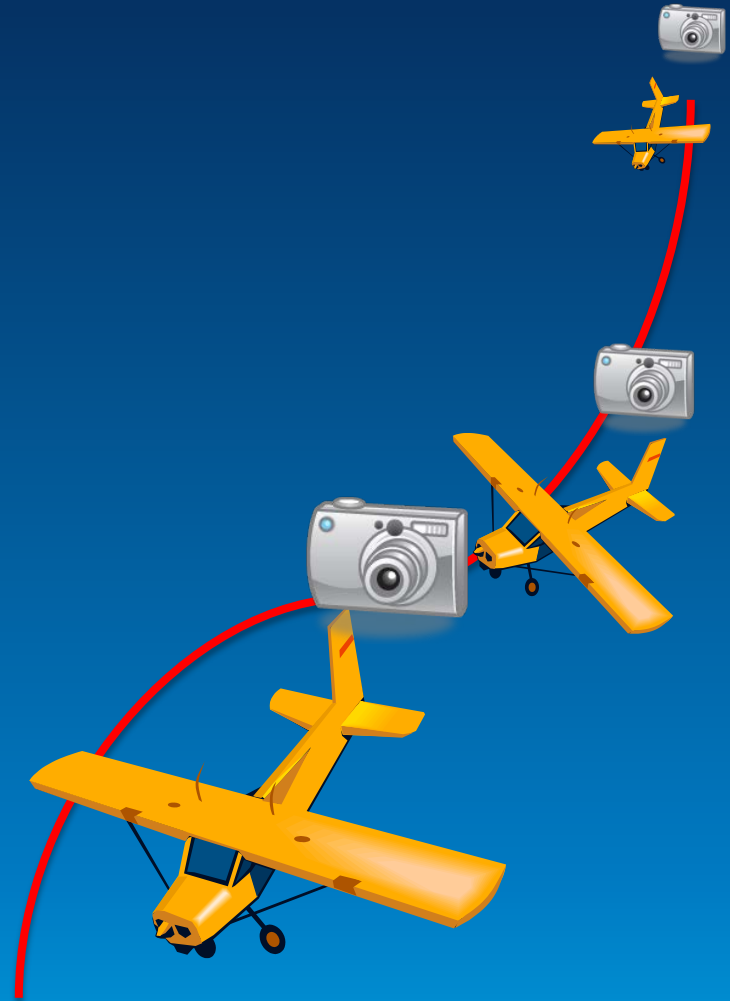
Object View: Camera along Path





Flyby from Path

Both Object and Camera along Path

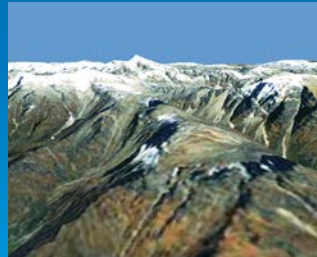


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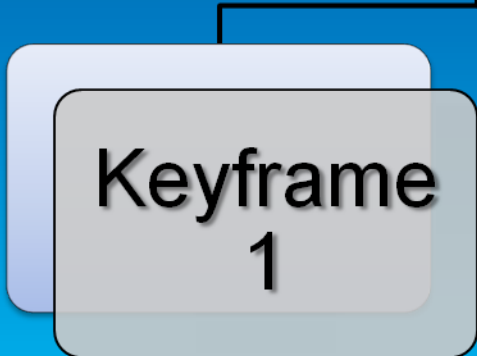
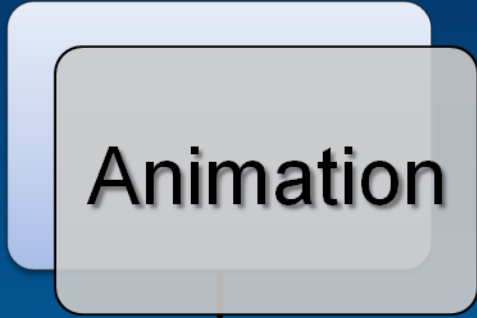
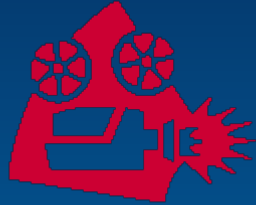
Fulton County Dept. of Health and Wellness/District 3, Unit 2: GA

Demo 7

Both Object and Camera along Path



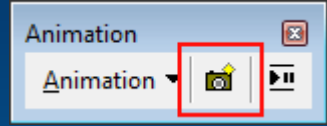
Structure



Ways to make Animation

Animation

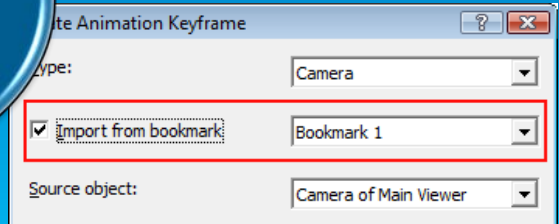
Capture Views



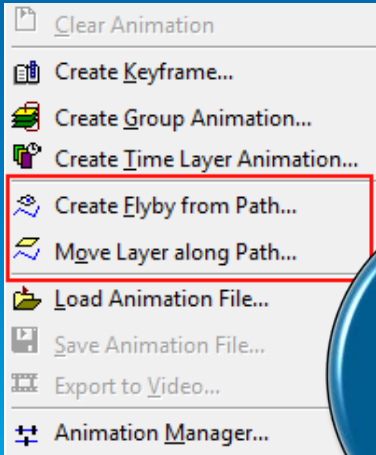
Record Navigation



Import from Bookmarks



Path



Thank You!!



Understanding our world.