Learning Targets / Success Criteria: Unit One: What is Engine   Data Team: Exploratory

PLTW Technology Standards

Priority Standard:	Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.(AS.W.2)
Overarching Skills:	investigate the functions and features of 2D elementary tools in design software.
WALT:	We are learning to investigate the functions and features of the line tool.
Success Criteria:	I can… Explain the basic function of the line tool. Explain the tab/dimension options when creating lines. Explain the options for selecting and dragging the different parts of an undimensioned line. Explain the options for selecting and dragging the different parts of an partially dimensioned line. Explain the options for selecting and dragging the different parts of a fully dimensioned line.
WALT:	We are learning to investigate the functions and features of the circle tools.
Success Criteria:	I can… Explain the basic functions of the 3 circle tools. Explain the tab/dimension options when creating the 3 circle shapes. Explain the options for selecting and dragging the different parts of an undimensioned circle tool shape. Explain the options for selecting and dragging the different parts of a dimensioned circle tool shape.
WALT:	We are learning to investigate the functions and features of the arc tools.
Success Criteria:	I can… Explain the basic functions of the 3 arc tools. Explain the tab/dimension options when creating the 3 arc shapes. Explain the options for selecting and dragging the different parts of an undimensioned arc tool shape. Explain the options for selecting and dragging the different parts of a dimensioned arc tool shape.

WALT:	We are learning to investigate the functions and features of the spline tools.
Success Criteria:	I can… Explain the basic functions of the 3 spline tools. Explain the tab/dimension options when creating the 3 spline shapes. Explain the options for selecting and dragging the different parts of an undimensioned spline tool shape. Explain the options for selecting and dragging the different parts of a dimensioned spline tool shape.

Priority Standard:	12.6-8.J - investigate information provided in manuals, protocols, or by experienced people to see and understand how things work.
Overarching Skills:	investigate the functions and features of 3 dimensional sketch tools in design software.
WALT:	We are learning to investigate the functions and features of the sketch and plane tools.
Success Criteria:	I can… Explain the prerequisites to create a sketch on a surface. Explain the basic function of the plane tools. Explain the prerequisites to investigate the plane tools.
WALT:	We are learning to investigate the functions and features of the extrusion tools.
Success Criteria:	I can… Explain the
WALT:	We are learning to investigate the functions and features of the arc tools.
Success Criteria:	I can… Explain the basic functions of the 3 arc tools. Explain the tab/dimension options when creating the 3 arc shapes. Explain the options for selecting and dragging the different parts of an undimensioned arc tool shape. Explain the options for selecting and dragging the different parts of a dimensioned arc tool shape.

WALT:	We are learning to investigate the functions and features of the spline tools.
Success Criteria:	I can… Explain the basic functions of the 3 spline tools. Explain the tab/dimension options when creating the 3 spline shapes. Explain the options for selecting and dragging the different parts of an undimensioned spline tool shape. Explain the options for selecting and dragging the different parts of a dimensioned spline tool shape.