



CANYON CREST ACADEMY PROJECT SUMMARY

SPRING 2021

Project Name	Herschel Infrared Experiment
DLS Points of Contact (Name, Phone, Email)	Todd Splettstoesz 858-432-7633 Todd.Splettstoesz@drs.com Tom Watson 858-432-7580; Tom.Watson@drs.com
Project Summary	<p>Create a fixture that reliably demonstrates the “Herschel Infrared Experiment” using a light source, optics, USB-DAQ, laptop computer and RTD temperature probes. Fixture should be optically adjustable to best tune the experiment for performance and durable enough to be transported w/o having to readjust afterward. (Reference provided powerpoint summary)</p> <p>See: http://coolcosmos.ipac.caltech.edu/cosmic_classroom/classroom_activities/herschel_example.html https://spaceplace.nasa.gov/review/posters/herschel/Herschel-ir-activity.pdf http://www.rsc.org/learn-chemistry/resource/res00001950/herschel-infrared-experiment#!cmpid=CMPO0006387</p>
Equipment (Mfr/Model)	Optics, Light source, mounting fixtures
Other Hardware (Mfr/Model or DLS PN's)	Measurement Computing USB-TEMP,



Target Deliverables (reviews, docs, hardware, software)	Design document, Mechanical Drawings, System block diagram, Temperature monitoring software
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