

SESSION 2: COMPARING STARS

ACTIVITY 2: CREATE A HERTZSPRUNG-RUSSELL DIAGRAM

LP 145-141
0.005 Suns
8,500 K

PG000017
0.0002 Suns
10,200 K

Van Maanen 2
0.0002 Suns
6,100 K

Sirius B
0.03 Suns
10,000 K

Procyon B
0.0005 Suns
7,500 K

40 Eridani B
0.01 Suns
16,500 K

Wezen

60,000 Suns
6,000 K

Antares

76,000 Suns
3,600 K

Betelgeuse

9,000 Suns
3,000 K

UY Scuti

340,000 Suns
3,400 K

Mu Geminorum

**310 Suns
3,100 K**

DC0020938

**320 Suns
3,200 K**

Aldebaran

**440 Suns
3,900 K**

Mirach

**480 Suns
3,200 K**

Aldebaran

**440 Suns
3,900 K**

Arcturus

**170 Suns
4,000 K**

Ruchbah

**70 Suns
15,000 K**

Kaffaljdhma

**25 Suns
14,000 K**

Sheratan

**25 Suns
12,000 K**

XXR86

**66 Suns
10,000 K**

SAC9899

**72 Suns
10,400 K**

YEZ8872

**88 Suns
10,400 K**

LP033276

**0.001 Suns
11,100 K**

Alpheratz

**132 Suns
22,000 K**

Mintaka

**10,000 Suns
40,000 K**

K073491

**120 Suns
35,000 K**

JAC64932

**101 Suns
38,000 K**

RTL6439

**81 Suns
26,000 K**

JAC04320

**90 Suns
22,000 K**

Spica

**20,000 Suns
25,500 K**

Phaet

**480 Suns
20,000 K**

Acamar

**110 Suns
20,000 K**

APAC617

**0.02 Suns
4,100 K**

DC0032864

**0.06 Suns
4,200 K**

DC0029876

**0.04 Suns
4,300 K**

JAC12967

**0.09 Suns
4,200 K**

DAAC329

**0.09 Suns
4,200 K**

JAC43928

**0.07 Suns
4,100 K**

Epsilon Eri

**0.28 Suns
4,200 K**

**Epsilon
Indus**

**0.16 Suns
4,200 K**

61CygA

**0.04 Suns
4,200 K**

61CygB

**0.05 Suns
4,200 K**

Procyon

**8 Suns
8,600 K**

Sirius

**23 Suns
9,800 K**

Castor

**19 Suns
9,800 K**

Hassaleh

**3 Suns
8,300 K**

XXR42

**19 Suns
9,200 K**

SAC2243

**29 Suns
9,400 K**

WZ443

**60 Suns
9,000 K**

SAC5430

**28 Suns
9,700 K**

XXR49

**22 Suns
9,900 K**

PL0089

**0.3 Suns
4,800 K**

PL00932

**0.5 Suns
5,200 K**

ARN93227

**0.7 Suns
5,000 K**

SL9-67294

**1.6 Suns
6,200 K**

Tau Cetus

**0.5 Suns
5,200 K**

YEZ8732

**0.8 Suns
5,400 K**

G757

**2.3 Suns
5,800 K**

CST6128

**1.9 Suns
5,800 K**

BSC3430

**3 Suns
5,900 K**

RTL9847

**2 Suns
6,000 K**

DAAC328

**1.6 Suns
6,200 K**

APAC529

**1.7 Suns
6,100 K**

BDE00017

**1.0 Suns
5,900 K**

**Beta
Sagittae**

**300 Suns
6,000 K**

JAC57492

**1.2 Suns
5,900 K**

JAC7632

**0.8 Suns
5,900 K**

Sun

**1 Suns
4,800 K**

BDE10298

**0.01 Suns
3,900 K**

KO65430

**0.01 Suns
3,500 K**

JAC76582

**0.04 Suns
3,800 K**

CRTP987

**0.08 Suns
3,600 K**

JAC39672

**0.02 Suns
3,900 K**

APAC424

**0.01 Suns
3,900 K**

Barnard's Star

**0.0003 Suns
3,000 K**

Wolf 359
0.00002 Suns
2,900 K

BD + 362147
0.005 Suns
3,500 K

L726-8A
0.00006 Suns
3,000 K

L726-8B
0.00005 Suns
3,000 K

Ross 154
0.0005 Suns
3,000 K

Ross 248
0.0004 Suns
3,000 K

BD591915A
0.0006 Suns
3,100 K

CD3615693
0.0001 Suns
3,300 K

Ross 128
0.0003 Suns
3,200 K

L789ABC
0.0001 Suns
3,200 K

L37258
0.0001 Suns
3,200 K

BD51668
0.0006 Suns
3,000 K

B0591915B
0.0005 Suns
3,000 K

L72532
0.0002 Suns
2,900 K

BLG9982
0.009 Suns
3,000 K

MGU82067
0.0001 Suns
3,100 K

Kapteyn's Star
0.004 Suns
3,500 K

CD3914192
0.03 Suns
3,600 K

Kruger 60A
0.0006 Suns
3,200 K

CD2510553
0.00004 Suns
3,000 K

Ross 614A
0.00007 Suns
3,000 K

Ross 614B
0.00001 Suns
2,900 K

Proxima
0.00005 Suns
2,900 K