

Lesson: Review for valve components and hand out test.



MASTERY FOCUS (PL-2, PL-3, I-1, I-6) 02/11/2015

Essential Understanding: Intake and exhaust valves and springs. Valve guide and seals.

Standards: What will students know, understand, and be able to do?

TEKS

XX. XX

ELPS

XX. XX

Key Vocabulary: What key terms will my students need to understand?

Valve seals, rocker arm, valve seat. Intake and exhaust valves and springs.

Assessment Plan: How will I assess prior knowledge? How will I know my students mastered standards?

Identify small engine valve components.



LESSON CYCLE (I-1, I-4, I-5, I-6, I-8)

How will I engage my students in learning? How will I lead my students to mastery?



1 Engage and Connect (10 min):

Do Now: Search videos related to valve guides and seals of small engines.

Xx

2 Introduce New Learning (min):

3 Lead Guided and Independent Practice (60min):

Guided Practice (15 min):

X Valve component review.

Independent Practice (45 min):

X Id valve components test.

4 Close the Lesson and Assess Mastery (5 min):

Complete test.

CHECKS FOR UNDERSTANDING (I-2)

X What Valve components are familiar with while watching the video?

X How many parts you can identify from a valve system?

X How many valve seals are used?

X What is the main function of a valve seal?

X If the seal is not installed or not sealing what would that cause to the engines function?

DIFFERENTIATION (I-3)

How will I scaffold and/or accelerate learning? For whom? How will I group my students?

SCAFFOLD: Probing questions of related components observed in the past.

ACCELERATE: Students search videos and explore different valve springs for engines

GROUP: Give lateral support on students in group that feel more practice is needed.



LOGISTICS (I-6, I-10)

What materials, resources, and technology will I need to prepare and arrange?



This lesson planning guide is designed to support HISD teachers in using the HISD Curriculum Planning Guides to plan daily lessons that meet the criteria outlined in the HISD Instructional Practice Rubric. The guide is not intended as a template teachers are expected to complete for their lesson planning on a daily basis. Teacher teams might consider using the guide to help them collaborate in lesson planning.

Lesson plan template due to your appraiser by 10:00 PM Sunday.

HISD LESSON PLANNING GUIDE

- XX

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