

Advanced Placement Institute – Computer Science

Interlake High School, Bellevue, WA

June 28th-July 1st, 2010

Presenter: Kyle Gillette

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Agenda - adjustments will be made to meet the needs of participants

Day 1 Morning

Newer –foundations: Fraction, LineSeg, Shape interface -
Circle/Triangle/Quadrilateral (constructivist)

Experienced – Josephus problem with arrays/ArrayList (constructivist)

Day 1 Afternoon

Newer – Trapezoid, ... , Square – inheritance. arrays & writing to an interface
– Bin Project (modificationist)

Experienced - List interface - implementing an ArrayList vs. Linked List of
Strings (constructivist)

Day 2 Morning

Newer – AP Audit (for those without.) Java Image Manipulation Project, two-
dim arrays. (modificationist)

Experienced - Java Image Manipulation Project, two-dim arrays.
(modificationist)

Day 2 Afternoon

Newer – The exam, grading questions, recruiting, & sharing

Experienced - The exam, grading questions, recruiting & sharing

Day 3 Morning

Newer – Gridworld – chapters 1 – 4, Trouble with Tribbles (Top down design)

Experienced – Gridworld Wall Builder (modificationist), Trouble with Tribbles
(Top down design)

Day 3 Afternoon

Newer – Gridworld – Trouble with Tribbles, Wallbuilder

Experienced – Spiders: Wolf, Trap Door, Web

Day 4 Morning

New – Inheritance Hierarchies, topic of choice

Experienced – Inheritance Hierarchies, topics of choice